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THE INDUSTRIOUS HEN

ONE YEAR 50c---THREE YEARS \$1

AN ILLUSTRATED MONTHLY
FOR
POULTRY, LIVE STOCK AND THE FARM

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THE INDUSTRIOUS
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Knoxville Tenn.

Soc. of Agriculture
WASHINGTON, D. C.

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Barred Plymouth Rocks

Winners at Louisville, Frankfort, Owensboro Shows, and Kentucky State Fair. 1st Cockerel, 1st Hen, 1st Pen, 2nd Pullet, 3rd Cock, 3rd Hen, 4th Cock, 4th Hen, 4th Cockerel, 4th Pullet, cash prize for best Pen, Louisville Poultry Show, Jan. 19, 1911. 1st Pullet, 2nd Pullet, 2nd Hen, 2nd Cock, 3rd Cockerel, cash prize for best Barred Plymouth Rocks, Kentucky State Fair, Sept. 12, 1910. 1st Cock, 1st Cockerel, 1st Pullet, Frankfort, Sept., 1909. 1st Hen, 1st Pullet, 2nd Cockerel, 3rd Cock, 3rd Cockerel, 3rd Pullet, cash prize for best Barred Plymouth Rocks, Kentucky State Fair, Sept. 1909. 1st Pullet, 1st Hen, 2nd Hen, 3rd Cock, 3rd Cockerel, 4th Cockerel, 4th Hen, 4th Pullet, special for best shaped female, silver cup for best Barred Plymouth Rocks, Louisville Poultry Show, Dec., 1909. All firsts, Owensboro, Oct., 1909. In barring and color, our birds are as perfect as twenty years' science and skill can breed them. 1800 early hatched cockerels and pullets for sale.

Best Cockerels \$3.50—Best Pullets \$2.50
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Incubator Eggs \$1.50 per 15—\$7.50 per 100

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"Princess"
First Prize
Pullet—
Kentucky
State Fair

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Ryland's White Leghorns

Still on top, winning at the great Tri-State Fair, Memphis, Tenn., Sept. 27-Oct. 4, 1911, in the largest class ever gotten together in the South, 209 S. C. White Leghorns from six different States. We won 1st, 2d, 3d and 5th cock on five entries, 12 cocks in class; 1st, 4th and 5th pullets on three entries, 64 pullets in class; 5th cockerel on two entries, 38 in class. Have nice lot of breeders on hand, also show birds that come as near requirements for new standard as any we have seen—good long backs, with nice concave sweep to tail which is so hard to get. We also breed S. C. Rhode Island Reds, Black Orpingtons, Indian Runner Ducks, both light and dark fawn and white, White Holland Turkeys, Embden Geese, Registered Berkshire Hogs, Jersey Cattle and Southdown Sheep.

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MRS. L. L. UPSON, Owner

Bufs—Whites—Blacks—Diamond Jubilees

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Winners 1910-11 at Philadelphia, Knoxville, Augusta, Atlanta. Just made excellent winnings at Allentown, Pa., and Great Appalachian at Knoxville. On nine entries made at Knoxville, won Nine Prizes—Six Firsts, Three Seconds. At Georgia State Fair, 1911, had the phenomenal success of winning first pen each on Whites, Blacks, Bufs and Diamond Jubilees. Also a number of seconds and thirds. Have the unique distinction of winning THREE silver cups—Philadelphia, Allentown and Knoxville—offered by Wm. Cook & Sons, for the best Orpington, Cook strain, in the show.

Does this not prove we own and breed the best Orpingtons in the South?

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This is the time when we think it wise and desirable to announce to you our plans for supplying you with EGGS FOR HATCHING for the coming season. Never has Owen Farms possessed such birds of remarkable quality to put into their matings as this year. The average increase in quality is represented by at least 50 per cent. This is right through in males and females. We have raised more than twice as many birds as any year in our previous experience and the birds that we have reserved for the pens are uniformly larger, better type, with better head points, better eyes, and all through better characteristics for producing the best of the year.

Our plans will be exactly the same as last year. Eggs will be sold in sittings of 10, 11, 12, 13, 14, and 15 eggs at the option of the purchaser and in lots of 50 and 100. All the conditions concerning the sale of eggs will be furnished you upon request and we will send you our mating list which will faithfully and accurately describe all of our mated pens.

We can ship eggs to any distance throughout the United States and Canada with perfect safety and give a good hatch. In all cases where a hatch is unsatisfactory we will furnish an equal number of eggs once at one-half price. We have found this guarantee of a satisfactory hatch better than any guarantee we have ever had experience with. If your hen leaves the nest or your incubator runs away or your lamp goes out, we share one half the loss.

Book your orders as early as you possibly can arrange it. This insures prompt delivery and gives you the chicks at the time you want them and allows us to serve our customers to the best possible advantage. One-quarter paid with the booking of the order and the balance ten days before shipping is always satisfactory.

We will book your orders for eggs in the following varieties:

WHITE ORPINGTONS
BUFF ORPINGTONS
BLACK ORPINGTONS

WHITE WYANDOTTES
WHITE ROCKS
BARRED ROCKS

SINGLE COMB REDS
ROSE COMB REDS

Prices will be as follows:

A Sitting of 10 Eggs,.....	\$10.00	A Sitting of 14 Eggs,.....	14.00
A Sitting of 11 Eggs,.....	11.00	A Sitting of 15 Eggs,.....	15.00
A Sitting of 12 Eggs,.....	12.00	50 Eggs,.....	40.00
A Sitting of 13 Eggs,.....	13.00	100 Eggs,.....	75.00

EXPRESS PAID TO ANY EXPRESS OFFICE IN THE UNITED STATES OR CANADA ON ALL ORIGINAL ORDERS, NOT ON HALF PRICE ORDERS.

We have some of our best pens mated now and are prepared to furnish eggs for the southern early deliveries.

OWEN FARMS, 135 William Street, Vineyard Haven, Mass.
WM. BARRY OWEN, Proprietor MAURICE F. DELANO, Manager

LANGFORD'S S. C. RHODE ISLAND REDS ARE STILL WINNING

Tennessee State Fair, Nashville, Sept. 1911, the South's greatest show, 1st and 2d cocks; 1st and 2d hens; 2d, 3d, 4th, 5th cockerels; 1st, 3d, 5th pullets; 1st pen; \$25 in gold for best pen in show; Red Club Cup for best display; Acme Cup for ten best pullets; shape and color specials on females; color special on male. Theo. Hewes said: "The best class of Reds I ever saw cooped." Loring Brown said: "Your two hens are world-beaters." W. C. Pierce: "The first hen is the best I ever saw." Rich, brilliant red cockerels for sale, bred from our 1st New York Champion. Also breeders in cocks, hens and pullets. The only breeder in the South to win at Madison Square Garden, Grand Central Palace, New York, and Boston. Write for complete show record.

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Route 10. Nashville, Tenn.

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ARE Special. They are Different. They are Better. Young Stock—All Hatched from Indianapolis 1911 Winners. Cockerels and Pullets that will Win and Breed Winners for you.

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KELLERSTRASS CRYSTAL W. ORPINGTONS

Also BUFFS and BLACKS. Breeding and exhibition stock from prize winners. Eggs

COMO CHIX YARD COMO, TENNESSEE

200 S. C. BUFF ORPINGTONS FOR SALE

At a bargain to reduce my stock. The best I ever raised. Exhibition Stock a specialty. Write your wants. JAS. H. WHEELER, Bohon, Kentucky

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Wanted to sell in 60 days, 150 Rhode Island Reds, Rose and Single Combs, 50 pairs of Indian Runner Ducks from 225 egg strain that win wherever shown, and a few pairs of Golden Seabright Bantams. Bargains to early buyers.

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S. C. RHODE ISLAND REDS
Golden SEABRIGHT BANTAMS
PARTRIDGE WYANDOTTES

Eggs for sale at \$2 to \$3 per 15.
Wyandotte cockerels for sale.

W. R. WILLSON
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Are the kind that win and lay. Also S. C. Rhode Island Reds, White Orpingtons, Indian Runner Ducks and Toulouse Geese. A few choice cockerels and ducks for sale.

L. M. BARRETT, Morristown, Tenn.

AT THE
Appalachian Exposition
 KNOXVILLE, TENN., SEPT., 1911

One of the largest fall poultry exhibitions and where quality from the very best farms was exhibited,

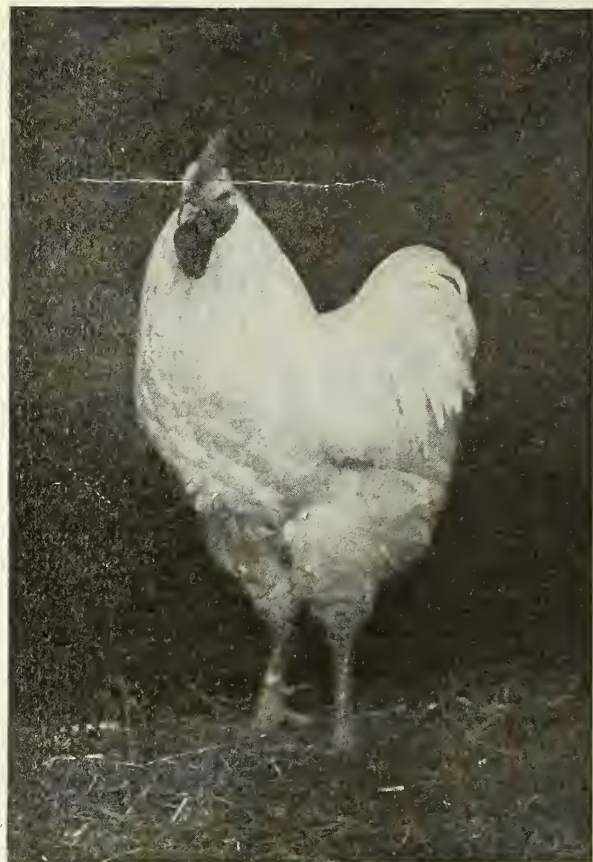
U. R. Fishel's White Plymouth Rocks

created a sensation by their superiority over all breeds, winning first, second, third and fourth cock; first, second, third, fourth and fifth hen, cockerel and pullet; first, second and third pen; the Appalachian \$100 Cup for largest display of merit; Judges' Cup for display showing greatest quality and uniformity of type; Industrious Hen Cup for best hen in American class. This record with that wonderful winning of our birds at Hagerstown Fair, 1910, is proof enough that the Fishel White Plymouth Rocks are

THE BEST IN THE WORLD

Remember we are in position to furnish you **Exhibition Birds, Selected Breeders or Utility Flocks** with **Blood Lines** no other breeder can give you. All birds farm-reared, strong, vigorous, birds. Send 25 cents for 64 page book, worth dollars to anyone interested in poultry.

U. R. FISHEL, Box H, Hope, Ind.



"Kellerstrass" White Orpingtons

ARE THE BIGGEST PAYERS BECAUSE
 THEY HAVE PROVEN TO BE

The Biggest Winter Layers

KELLERSTRASS STRAIN

"Crystal" White Orpingtons

Are the GRANDEST UTILITY birds on record today, and as to their FANCY QUALITY they won first at Madison Square, New York, 1905, 1906, 1907, 1908; also at Crystal Palace, London, England, and Chicago and Boston. If you need some birds to IMPROVE YOUR STOCK or for the SHOW ROOM write us. We have them, and the KIND THAT WINS, as our past record shows. STOCK for sale at all times. Remember, we are the ORIGINATORS of "CRYSTAL" White Orpingtons, and breed only the one kind. We devote our whole time to this one breed.

Kellerstrass Poultry Farm

Originator of Crystal White Orpingtons

Westport Road 9146, KANSAS CITY, MO.

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THE
QUEEN
POULTRY
GUIDE

I am going to Do it Again



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If the Queen does not fulfill the claims
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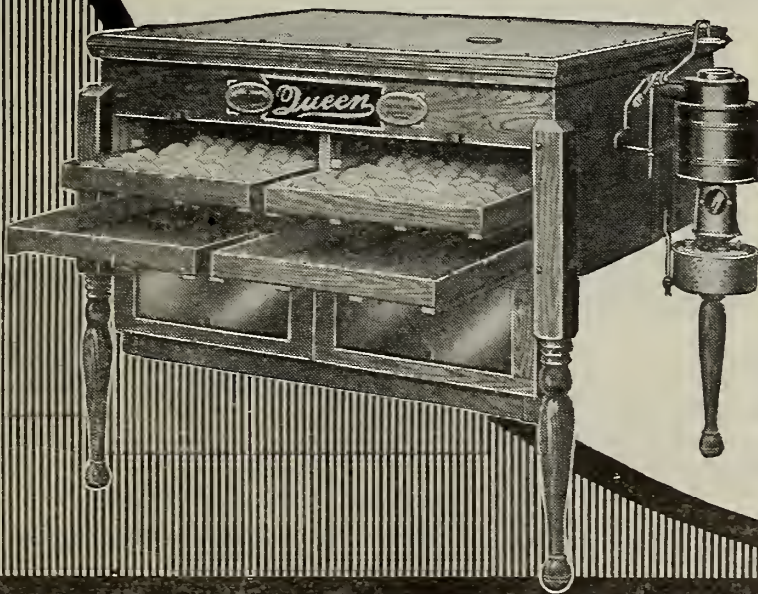
I have improved the machine in many ways, but I am not charging you a cent extra. My good old way of putting it out on the make-good plan has proven satisfactory to my customers and requires no change.

I Pay Freight—You Risk Nothing

I strip the offer of all conditions. No one can misunderstand it or question its fairness.

What you want is an incubator that you **personally** can operate successfully. One that will hatch all your fertile eggs, and give you strong, vigorous chicks, brought to life under right hatching conditions. That's where the Queen wins over its competitors. That's the basis on which I deal with you. A square deal, man with man.

My 1912 Catalogue illustrates the many patented features used exclusively in the Queen, increasing my business year by year. The book is free. Send for it now. Address



WICKSTRUM

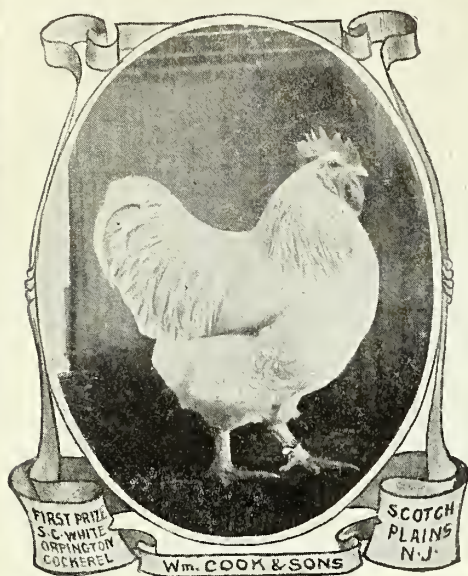
Queen Incubator Man

Who Pays the Freight

Box 120, Lincoln, Neb.

The Incubator That Makes the Poultry
Business a Real Business

Queen



Wm. COOK & SONS

— Established 1873 —

ORIGINATORS OF ALL THE ORPINGTONS

Box H. ... Scotch Plains, New Jersey

IMPORTANT ANNOUNCEMENT—We do not intend to exhibit for competition during the coming season. We do not wish to compete against our customers and we are also giving a large number of \$50.00 Cups to be competed for by Cook Strain advertisers only, or of course customers who do not advertise. The Shows so far where these cups will be given are Appalachian Exposition, Knoxville, Tenn.; Macon, Ga.; International Show, Atlanta, Ga.; New Orleans, La.; Texas State Fair, Dallas; Charlotte, N. C.; Philadelphia, Pa.; Baltimore, Md.; Boston, Mass.; other shows announced later. We are doing this to show our interest in Cook Strain advertisers. Being the Originators, it is natural that we should have the Best, and it adds prestige to your stock and money to your bank account if you can advertise Cook Strain, and people will realize you have the Best.

In August we can supply this year's stock, Imported from our English plant, on the same day order is received; or from our many winners bred in this country. If you require birds to win, we have them. Over 13,000 first prizes won by us. Remember, we guarantee safe delivery and satisfaction, which is backed by a reputation of 38 years standing; we have given satisfaction to two generations, we can to you. **SEND 10c FOR ILLUSTRATED CATALOGUE**, with history of the Orpingtons and hints on poultry keeping. Several thousand Orpingtons, all varieties, always for sale. It is a pleasure to give advice free. **EVENTUALLY**, if after the Best Orpingtons, any variety, you will send to their Originators, why not now? and avoid loss and disappointment.

Sanders' Wyandottes

— BLACK AND WHITE —

If you need stock for show or breeders, I have it. Out of twelve entries at Tennessee State Fair, I won ten ribbons, four of the firsts; and at Tri-State Fair at Memphis, won 1st pen and 2d pullet.

S. H. SANDERS, : : Route 1, Madison, Tennessee

Barred Plymouth Rocks

THE BEST. (Cockerel Mating)

CLARENCE YOUNG : : Sweetwater, Tenn.

RHODE ISLAND WHITES, INDIAN RUNNER DUCKS

Won 1st, 2d, 3d, 4th and special at Ky. State Fair, 1911. Other shows, firsts for us and our customers. Netted us \$14 each last year. Our R. I. Reds, White Wyandottes, White Orpingtons won 19 firsts, 3 specials out of 25 entries. **MRS. C. M. VERTRUES, Box A, Cecilian Ky.**

WHITE ORPINGTONS

Hatched from my eggs last December weighed

2 Lbs., 2 Oz. at 8 Weeks

Best egg record—227 in 10½ months.

MRS. L. P. SHANKS

1706 YALE AVE. (COOK STRAIN)
KNOXVILLE, TENN.

ONE S. C. R. I. RED COCK

and several cockerels for sale at \$2 each. Address **MRS. JOSEPH LEE, : Clemson College, S. C.**

Giant BRONZE TURKEYS

Blue ribbon winners at Louisville, Adairville, Springfield and Atlanta; won best display Tennessee State Fair for two years—more first prizes than all competitors combined. Stock for sale. Satisfaction guaranteed.

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350 white and fawn Indian Runner Ducks, imported English strain. Pure White Eggs. By careful mating our ducks have been brought up to an average of 240 eggs per year. We have the best breed ducks in the south. Can furnish eggs any time by setting, hundred, or thousand at 12, \$2.00; 25, \$3.50; 50, \$6.00; 100, \$10.00; 1000, \$85.00; book order ahead. Fawn and white ducks and drakes exhibition birds \$3.50 each, all others \$2.50. 2,000 head of Single Comb Black Minorcas, White and Brown Leghorns, Barred, Buff and White Rocks, Buff and Black Orpingtons, Single Comb Reds, Partridge Wyandottes, Partridge Cochins. One of the largest and most up-to-date plants in the South. Visitors welcome; will be met at train if you advise us of your coming. Get our catalogue.

SOUTHERN POULTRY FARMS, LaGrange, Ga.

THE INDUSTRIOUS HEN

An Illustrated Monthly for the Commercial and Fancy Poultryman.

Vol. 8

Knoxville, Tenn., December, 1911

(Whole No. 91) No. 7

The White Wyandotte an All Purpose Fowl

By FELIX CREASY, Lexington, Tennessee



As a breeder of the White Wyandottes, I would like to say a few words in your valuable magazine in regard to their good qualities and the care and keeping of this beautiful species of the feathered tribe. Four years ago I started in the chicken business on a small scale, principally for home use, not even dreaming of the great pleasure and profit to be derived from the

keeping of thoroughbred poultry. In starting I wanted a fowl for all purposes, as well as beauty, and from the beginning selected the White Wyandotte, and find them suitable to my use in every respect. They are undoubtedly the most beautiful fowl in existence. You can't keep from admiring them for their beautiful plumage, graceful carriage and aristocratic manners. These qualities, however, are not the only commendable features about the White Wyandotte. With just ordinary care they will fill the egg basket. I haven't a bird that doesn't more than pay for its feed. They are great foragers, and unless a large range is at their command they will hustle for most of their feed in the summer and fall months. When penned up they show no disposition to fly over an ordinary wire fence, and if given attention will be contented and happy. The farmer or fancier who is seeking an all-purpose fowl cannot get one that will equal the White Wyandotte.

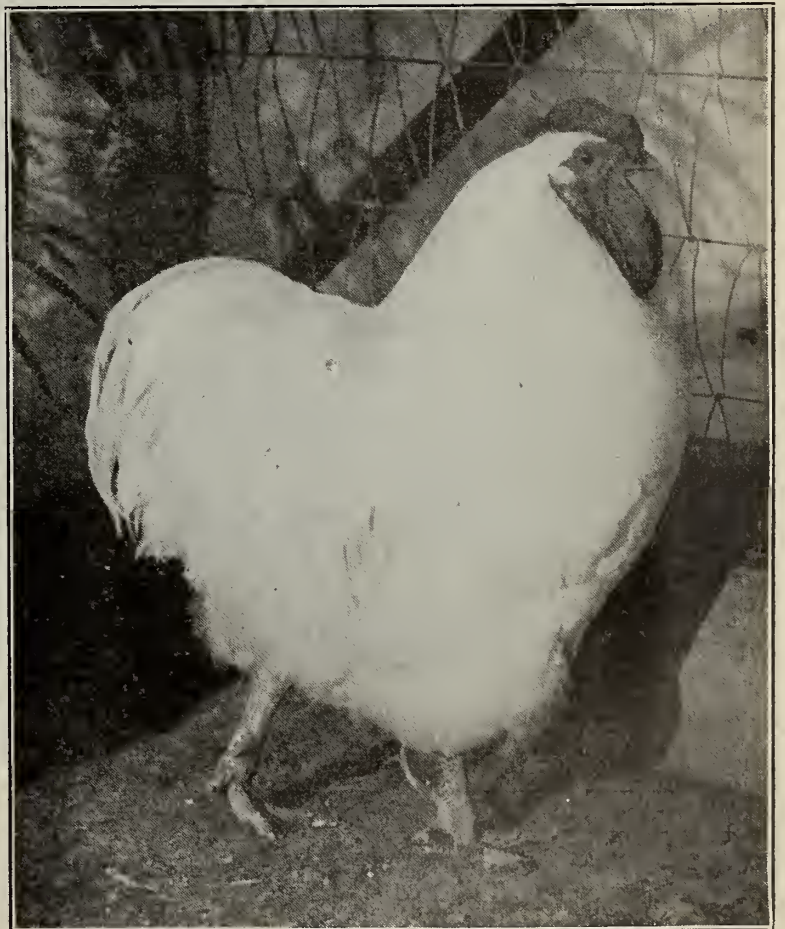
From forty hens I secured during the first six months of this year, 295 eggs in January, 481 in February, 789 in March, 683 in April, 647 in May, 409 in June; making a total of 3,304. The expense of feeding during this time was \$41.60; income \$63.30; net profit \$22.70. With these hens I hatched off and raised about 200 chicks, so it will be seen that not much over half the hens were on laying duty. Of course this amount is no great profit, compared to the well established poultryman who receives from \$5.00 to \$15.00 per sitting for eggs, but is proof enough to show that there is money to be made in raising White Wyandottes.

The feeding and care of poultry is not so comprehensive as the modern writer would have the beginner believe. The simplest methods are the best and will be of more service to the fowls. I feed in litter prepared chick feed or wheat for the morning meal, and a little corn for the evening meal. Also keep grits, oyster shells and wheat bran before them all the time. When there is no turf oats, sow wheat or rye for them to run on I feed cabbage or some other green stuff in the winter season, also a ration of beef scraps twice a week. From experience I find this method of feeding to be the best and cheapest, have never changed this diet from the time of starting in the business, and seldom ever have a sick fowl.

The most prevalent diseases in this section are roup and sore head, which are easily cured without going to the expense of following the directions laid down by a large number of writers. For sore head I isolate the affected bird, pull the warts off their head and bathe the afflicted parts with a solution of lard, coal oil and sulphur. Unless the bird has an extra bad case, about three applications effect a cure. Roup is a more dangerous disease, but if treated in its first stages, can be easily handled. Coop the effected birds up, give them a little

wheat bran, quinine and Pratt's (or some other poultry medicine) mixed up with water until it is crumbly, and in eating this they get a thorough system toning. If the eye is running water, bathe it in warm salty water and apply a little of the above mixture for sore head. If the disease don't yield to this treatment, kill the bird and either bury or burn the remains.

Don't overfeed, but feed enough to keep the fowls in



WHITE WYANDOTTE—The type of males bred by J. C. Fishel & Son, Hope, Indiana. This is an extraordinarily good bird and one of which the owners may well be proud. He shows down-to-date White Wyandotte characteristics and is a fine exhibition of what the Messrs. Fishel are producing from their finest exhibition line.

good condition. Make their surroundings as near to nature as possible, with open front houses, plenty of clean water, and the White Wyandotte hen will give a good account of herself in the laying pen.

One of the most useful Christmas presents for the poultryman's wife, and one from which she will derive the most pleasure, is one of our new high arm, ball-bearing Industrious Hen sewing machines. The machine is fully guaranteed for ten years, and the price is but sixteen dollars, freight prepaid to your station. Send your order direct to this office at once, and machine will reach your station before Christmas.

Winter Care of Poultry--Feeding, Housing

By LYNN C. TOWNSEND, Weedsport, New York



GREAT deal of the success of the year depends on the care given the birds during the winter months. After just completing the moult, the stock demands more careful attention now, than at any other part of the year. Of course, to be successful, the poultryman should be on the alert at all times, but especially should he have his birds in mind during the cold winter months when danger from disease is greatest.

First comes the question of winter housing. There are many good types of poultry houses described in the various poultry publications, and after trying many kinds, I find the open front style to be the best in my opinion. I do not believe in having the front entirely exposed, but use drop curtains of oiled muslin. Really, the most successful house on the farm from all viewpoints, is one

the summer diet. On account of the absence of range, the birds must be provided with a greater amount of beef-scraps and grit than in the summer and the water supply must always be looked after. As the egg is largely composed of water, it is useless to expect a large egg yield when the water fountains are frozen up half of the day. Corn forms a large proportion of my winter feed. I always prefer to feed dry mash in preference to a wet mash, but in the winter, I usually feed a warm mash at noon. This mash is never made sloppy, but is just moist enough to cling together.

The majority of the prepared poultry foods placed on the market to-day are unfit for feed. Corn will start in to mould in a very short time, although whole corn will not mould as quickly as cracked corn. To prove this, place a small quantity of cracked corn under a microscope and see the amount of mould and disease germs that you are feeding to your birds. The only way to de-



A VIEW ON THE KELLERSTRASS FARM — KANSAS CITY, MO.
WHERE THE "CRYSTAL" WHITE ORPINGTONS WERE ORIGINATED ~

that is built portable and accommodates two breeding pens. This house is twelve feet square, seven feet high in front and five feet in the rear. A removable wire partition separates the house into two pens. The floor is of matched pine, and the roof is covered with a good quality of roofing paper. The floor and roof are built in two sections each, and the whole house can be readily taken apart, being put together with screws and hooks. The front is equipped with King system windows, which admit plenty of fresh air at all times.

I find the above style of house to be highly successful, and it can be kept very clean, all of the interior fixtures being removable. This house can be used for individual brooders, for housing young stock or for confining selected breeders. The cost of the house will vary from thirty to forty-five dollars, and I would advise all who are contemplating building a poultry house, to give this style a trial. Small colony houses placed in sheltered nooks will come in very handy if you have any troublesome males or a sick bird that you wish to doctor.

Winter feeding is an art and requires a great amount of attention. The menu should be entirely different from

stroy these is by heating. Heat will destroy them in very short order, and if practical, I would advise you to heat all grains before feeding.

Dust-baths are a luxury that are greatly appreciated by the hens. See that you have a plentiful supply of dry dirt stored away before cold weather sets in. Keep the floors well covered with litter, and always have it clean and dry. Watch out for the cracks in the wall. Drafts are fatal. Give your birds reasonable care in the winter and you will be well repaid for doing so.

Remedy for Canker and Sore Head

Into about a pint of hot water, pour a tea-spoon of vinegar. Twice a day dip the head of the infected fowl in this wash, hold him there as long as he can stand it, let him get a good breath then dip him again. Do this three times then with a soft stick remove all the cheesy substance from tongue, throat and mouth and apply Mustang Liniment freely to the sore places and on head, comb and wattles. Very aggravated cases of sore head and canker have been cured in a short time by this very simple remedy.—Contributed.

The Origin of the Barred Plymouth Rock

By L. J. UPHAM, Webster, Massachusetts, Son of the Originator



WHEN my father, D. A. Upham (now deceased), first introduced the Barred Plymouth Rock to the world (I say world, because it is now bred the world over), there seemed to be the need of some such breed of fowls.

In the early stages of its existence, or when first originated, like all other original things, it had its

enemies and critics; some were honest, perhaps, in their criticisms and others criticised from jealous motives. The far-seeing breeder was of the latter class, for he realized the Plymouth Rock (then called) was destined to become popular, and some of these breeders began the scramble of trying to produce a Plymouth Rock of their own, but they were finally obliged to come to father for a starter; and it is universally conceded that Wilsonville, Conn., is the home of the Barred Plymouth Rock, and that D. A. Upham first introduced them to the public at Worcester, Mass., in the year 1869.

The foundation of the grand old breed was the hawk-colored hen (so called), but why called hawk-colored I

never knew. The ground color of feather was a bluish-grey, crossed by darker bars, giving an indistinct barring to the plumage. Black Java blood was used in crossing. This cross producing many black females, but the males almost invariably coming with barred plumage. The black pullets were excellent layers, and never have been excelled for market purposes. By judicious matings the black pullets were in a measure eliminated, and improvement was made in the barred bird, and this improvement has been continued from that day to this, thus giving us the most popular breed of fowls in existence today, and having held this prestige for these many years, it is to be hoped that it may never wane, however, in this connection I desire to say a word, or sound a word of warning. Some breeders have conceived the idea that to breed birds with as many bars to the feather as possible with an under-color, especially strong in barring, is to improve the breed. The quicker these breeders awaken to their error the better for the breed, for what has been the result? Everyone knows the more narrow the bar the more darker in plumage your bird becomes, and, in order to have pullets match a male in the exhibition pen we have to breed much darker pullets, and now we have the greenish or dark shaded legs, and how often do we see a good rich golden colored beak on a pullet?

I regret exceedingly that the standard makers gave an ear to these many bar breeders and used the word narrow in their description of the barring in the standard. To have said bars of equal width would have been much better it seems to me, but the under-color many bar fellows have carried the day temporarily, and to get this extreme undercolor and many bars, what have we sacrificed? We have lost those beautiful golden yellow legs and beaks, also that blue, snappy, coarser-barred plumage, that made our birds look so beautiful.

There is just as much sense in looking at the under-color of a horse as a hen. Horse sense is what is needed at this particular time. None of us are infallible. If the standard makers have given us a standard of errors, why not acknowledge it, and go about rectifying the errors, for who is there that will not pay another \$2.00 for a correct standard? Come to the rescue, all you friends of the grand old breed; do not let us sacrifice the good qualities above mentioned for the many bar under-color fad, for the Barred Plymouth Rock deserves to maintain the same popularity in the future as it has in the past.

An Excellent Stock and Poultry Powder

HERE is a good condition powder for stock and poultry that the writer has used for years and anyone can make it for themselves; three pounds of which will not cost any more than a pound package bought from dealers and is far superior to some of them:

Pulverized copperas, pulverized alum and flour of sulphur, each one pound; add two pounds of good wheat bran, mix thoroughly. If horses, cattle or hogs are sick, give a tablespoonful in feed to each sick animal once a day, or the same amount in soft feed for each dozen fowls. To keep stock and poultry in healthy condition give about twice a week.—E. G. Wardin.

Georgia State Fair Poultry Show

The poultry exhibit held in connection with the Georgia State Fair, Macon, from reports received, was a very creditable exhibition. C. A. Dobbs, of Gainesville, won the cup for best male, a White Orpington cockerel; R. D. Grigg & Son, Gainesville, for best female, Black Orpington hen; R. H. Plant, Macon, for best pen Rhode Island Reds; Belmont Farm, Smyrna, for best pen Plymouth Rocks; B. F. Hart, College Park, for best pen Leghorns; Mrs. L. L. Upson, Athens, for best pen Orpingtons; Mrs. J. M. Hart, College Park, for best pen Wyandottes; Wonderland Poultry Farm, Atlanta, for best pen Bantams; Mrs. E. K. Lumpkin, Cook & Sons' cup for best Orpington; R. H. Plant, Macon, best pen in show, all varieties competing, on Rhode Island Reds. The awards were published in our November issue.—Dismukes.



L. J. Upham

Incubation and Incubators--Study of the Egg

By RICHARD H. WOOD, M.D., U. S. Department of Agriculture



DURING the past century great progress has been made in nearly all lines of agriculture, and poultry raising, now recognized as an important branch of agriculture, has advanced with other lines. It has become a trade, an art, and a profession. Nor has any other nation made greater progress in poultry raising than has the United States. Poultry raising has been given abundant space in our agricultural journals and place in our leading agricultural colleges.

This article deals entirely and exclusively with the hatching of eggs, or incubation, natural and artificial, and to be complete it must treat of both the egg itself and the means employed in hatching.

Many farmers regard the incubator proposition as one out of their line of study and practice. To them natural incubation is too simple to demand consideration and artificial incubation is too complicated for anyone but an expert. To bring the farmer into closer sympathy with this article it may be well to state that the writer has taken a great and active interest in the subject of incubation for the past thirty years; and, while he has been successful, he has made some failures and met with some disappointments, just as others have done and as many will do until by study and practice they acquire that skill which after all is fully as necessary to success in other lines as in this.

Poultry raising is one of the important features of farm work. The incubator is an important factor in poultry raising. It is a success; it has come to stay; and the time is not far distant when it will be as necessary upon every farm as is the plow, the mower, or the separator. It is a machine the operation of which is simple. A woman, a child, or even a cripple or invalid member of the household may learn to operate an incubator easily and successfully. To make this possible and to bring a practical knowledge of this subject to every farmer or other interested person in our land, is the aim of this article.

A Study of Eggs for Incubation.

First in order, then, comes the study of the egg itself. It will be sufficient for our purpose to say that the egg must be fertile, or hatchable, and this brings at once to the subject of fertility.

An egg receives its fertility from the male bird, but the condition of the female at the time of laying has much to do with the hatching quality of the egg. This should not be regarded as a statement of a far-fetched notion, but as a fact that has been noted and demonstrated time and again in the writer's own experience. The laying hen must be healthy and properly fed or she can not produce an egg capable of carrying the germ to a successful hatch. Hens kept in unhealthful quarters or too closely confined are not likely to lay eggs that will produce strong, healthy chickens. Hens suffering from disease or infested with vermin may lay, but eggs from such hens will rarely hatch, and even if they do hatch the chicks will not be likely to mature into vigorous or growthy fowls. Hence, in order to secure hatchable eggs the hens must be healthy, have plenty of outdoor exercise, and be fed an assorted or balanced ration. An exclusive corn diet will not make for fertility. Fowls in confinement must have a mixed diet and plenty of grit and bone, with meats, clovers, or other substances in the line of nitrogenous food. They must be kept free from lice and must have plenty of litter, straw, hay, chaff, or leaves in which to scratch. Fowls having free runs need less attention to diet and are more apt to lay fertile eggs than fowls closely imprisoned.

Many different ideas prevail as to the number of hens that should be allowed to a cock. In this matter much depends upon the breed of fowls, the way the fowls are kept, and their ages and conditions. One should exercise some oversight as to the matings of his fowls and regulate the size of his breeding pens accordingly. With most breeds we get a larger percentage of fertile eggs from matings of ten to twelve hens to one cock. Eggs may be fairly safe from a pen of twenty hens with one good, vigorous, young male bird. Some advise keeping two or three hens with a cock, but in the writer's experience such matings are generally unsatisfactory. The male

will so worry and annoy his small flock that but few eggs will be produced and few of them will be fertile. Besides this, two or three hens confined in this way are apt to become jealous, nervous, and quarrelsome. The same cock, if given a larger flock, will keep them harmonious and contented. With these ideas in mind it is safe to recommend that a breeding pen shall consist of from seven to fifteen hens and one cock, and the latter should be strongly bred, in good health, and known to be vigorous. But some recommend keeping more than one male bird in a flock. This may do, but where this is done it is wise to have a comfortable and convenient coop in which to keep one of the cocks, and then by a system of catching up one cock and releasing the other every night give each one alternately a day of rest or a day upon the walk. Another advantage in this system is that the cock has a chance to feed by himself part of the time and can be kept in a more thrifty and vigorous condition than if upon the walk all of the time.

It is highly necessary that the amateur or the novice shall be impressed with the fact that the fowls from which eggs are saved for hatching must be strictly healthy, must have a reasonable amount of exercise in the open air, besides an abundance of strictly fresh and pure water, and a great variety of wholesome food. Even under the most favorable circumstances the eggs will vary to the extent that there is room for selection. Select eggs of a medium size and an average as to color and shape. Let the selection be influenced by the average product of the hen or breed. An unusually large egg for the hen or breed may be a monstrosity and can not be expected to hatch. All unusually small egg may be defective and should not be incubated. An egg of unusual length or one of unusual rotundity should not be placed under a hen nor in an incubator. An even, uniform lot, assorted as to size, color, and shape, will be apt to give the best results. Freshness is a prime necessity. While an egg six weeks old may hatch, the chick will be weak and hard to raise. Fresh eggs hatch earlier, and the chicks from them are stronger than those from older eggs. As a rule, eggs more than twelve days old should not be placed in an incubator. This is one of the reasons why eggs from a flock numbering from ten to twelve hens are more apt to hatch than are eggs from a flock of only three hens. They do not have to be stored so long before getting a sufficient number for a setting. Eggs for hatching should be clean; if not clean they should be washed in tepid water and carefully dried with a clean, soft cloth. This washing does not injure the egg, but it must be done quickly and carefully, or the jarring of the contents may ruin it for hatching. As fast as the eggs are washed and dried they should be covered with a layer of clean cloth or absorbent cotton to prevent their becoming chilled. It is good practice to stand the eggs in a cool quiet place, each with the large end uppermost, for a period of twelve hours before placing for incubation. This balances the yolk in the center and locates the air cell. In this connection it is well to bear in mind that eggs laid the day they are set will hatch several hours earlier than those that are a week older.

Eggs waiting for incubation should be kept at a temperature of about 60° F., although they will stand a variation of temperature from 40° to 100° F. They should not be allowed to dry out, nor should they be exposed to a current of cold air, steam, or vapor. During storage, eggs for incubator use should be partly turned every day.

It is poor practice to set eggs of more than one kind or breed together in the same machine, for eggs of different kinds vary in thickness and strength of shell and in the amount of heat and moisture required.

So much, then, for the subject of fertility, all of which can be summarized in the following brief maxims: The breeding stock must be healthy and properly fed, watered and exercised. Eggs must be carefully and promptly gathered and cared for. The egg has as much to do with the result of incubation as has the incubator. The machine should not be blamed for failing to hatch a defective egg.

History, Theory and Period of Incubation.

The history of incubation is rather obscure. Natural incubation, which is dependent upon the instinct of the mother hen, seems to be conducted by the modern hen in just about the same manner as that of the barnyard

Continued on page 247.

Growth of Poultry Industry in the Southeast

By L. B. AUDIGIER, Managing Editor

[In response to many requests from readers we reproduce herewith the address of Mr. L. B. Audigier, delivered at his installation as second vice-president of the American Poultry Association at Denver, Aug. 10.]



R. PRESIDENT and members of the American Poultry Association: Until my election to office, the great southeast had not been officially represented on your board, and I am proud of the honor thus conferred, and shall endeavor to make my efforts in the up-building of the association redound to the credit of the poultry industry throughout the South.

I am glad, indeed, of this opportunity to speak to you of the great southeastern section of our country, and especially of the poultry interests, of which you are so vitally interested. All things considered, I doubt if there is a section of the globe possessing more natural advantages and more wonderful resources for the development of the poultry industry than the great southeast.

The climate is all that could be desired; just enough of cold and snow to make one appreciate the warm sunny days. Our mountains are covered with a virgin growth of timber sufficient to keep a thousand sawmills running a hundred years. We have an abundant deposit of coal, iron, marble and other minerals that are finding a market all over the world; our coal shipping in train loads to fill sea-going vessels; our iron to supply the furnaces of the east and our marble to beautify public buildings all over the United States. Notable examples of this are to be found in the bank of Montreal; New York hall of records, the Boston and Congressional libraries and the Brown palace of this beautiful city of Denver. (Applause.)

The population of the great southeast is made up principally of that sturdy Anglo-Saxon continental stock, that produced such men as Andrew Jackson, Robert E. Lee, (applause), Robert Toombs, Henry Grady (applause) and a host of others who have made themselves famous in the eyes of the world. The great southeast has furnished men to fill every important position within the gift of the American people, and after all, this is any country's greatest asset. With a handicap of two decades of retrogression, our homes despoiled, our lands laid waste, and our agricultural and live stock interests completely obliterated, we have made rapid strides towards a point of perfection that has gained for us a name synonymous with enterprise and success.

The southeast is rich in agricultural resources, and with splendid railroad facilities and waterways is destined to lead in wealth and population other favored sections. The Appalachian region with its government forest reserve, has its gateway in the center of this great southeast that is opening up varied industries to utilize the abundance of raw material to be found on all sides.

The Appalachian Exposition is one of exploitation and development of the wonderful and varied resources of the great Appalachian territory of which you are also greatly interested. No people are making greater strides or succeeding more admirably in industrial enterprises than those of this section. We are endeavoring to bring to the notice of the world the true and unvarnished facts as they actually exist, and for this reason we are spending every twelve months more than a half million dollars in advertising our resources. Specimens of the best that our lands and mines and factories can produce are being gathered together in one vast area, most attractively and artistically arranged, and the world is invited to come and feast

with their eyes and be our guests in the land of progress and opportunity. (Applause.)

I have spoken of our timber, our coal, iron and marble, and of our manufacturing and agricultural interests and have intentionally delayed in telling you something of that part of the live stock interests that we all love and have our past, present and future hopes in. It is said that more men are actually in love with live stock, in its broad sense, than with any other line of commerce. At the first great exhibit of our resources held in the city of Knoxville, Tenn., in the fall of 1910, we were able to gather together the greatest exhibit of horses, cattle and hogs that had ever been shown south of Mason and Dixon's line. The famous blue grass valleys of Tennessee, Kentucky and Georgia produce not only the finest horses and the best chickens but the most beautiful women in the world (applause); and this brings me up to the poultry interests.

With more than ten million people in the southeast interested and over one hundred millions of dollars invested in the great American hen, can we help but place her on a pedestal and make her the crowning feature of this magnificent gathering of able and brilliant men and women? (Applause.)

The south is the natural home of the hen. Here we listen to her cackle from New Year till Christmas; she furnishes for our use more money in eggs than does the wheat, oats, and barley crops combined, and, yet we are only in our infancy in the art of rearing fancy poultry and shipping eggs. Our demand is greater than our supply, and for this reason we are not giving as much care in handling our products as our more experienced neighbor of the east. Our territory is larger than we can fill. We want nearer neighbors. We want men who love the outdoor simple life; to till the soil and raise poultry. Our mountains and

our valleys, full of productiveness, are teeming with opportunity, and only await the man with a purpose. (Applause.)

The value of the poultry industry in three of the largest producing states of the southeast, will not reach over a million dollars, when, if half the available opportunities were taken advantage of it could as easily be three or four million dollars. This is a fast decade, and we are living faster than we know. We are allowing opportunities that are as precious as life itself to slip from our grasp, and only skimming over the surface. We are too superficial. We are not building character of which patriots, soldiers and heroes are made. Let us consider the finer things of life and get down to more practical living. Investigation—development—education—are maxims that if persisted in will bring ultimate success and happiness. The opportunities of the south are varied, and unfold to the seeker after wealth as does the rose to the morning sun. (Applause.)

The poultry industry is yet in its infancy and because of the many natural advantages one has in connection with it, I know of nothing that will pay a higher per cent on a small investment than a poultry farm in the great southeast. The door of opportunity is open, and inside stands a hearty welcome to the honest, earnest homeseeker.

I desire Mr. President, to take advantage of this opportunity to extend to the American Poultry Association

Continued on page 248.

Our Breeders' Card Offer

We have never had occasion to present our friends with an offer that they would more likely consider than this one. Our offer is this: We will run an ad in our Breeders' Card Column, classified under your breed, of from 25 to 30 words, six months for \$2.50, three months for \$1.50. Our regular rate is two cents a word a month. You do not need to be reminded that a six months' card will keep your name constantly before our readers through the coming stock and egg season. Send ad with check today. You may never have an opportunity like this again.

THE INDUSTRIOUS HEN CO.,
Knoxville, Tenn.

Russell Cave Poultry Yards - Elmendorf Farm

By FRANK A. GOODLIN, Special Representative



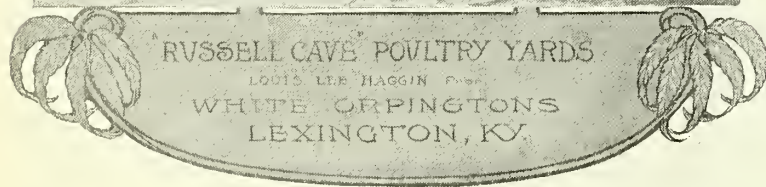
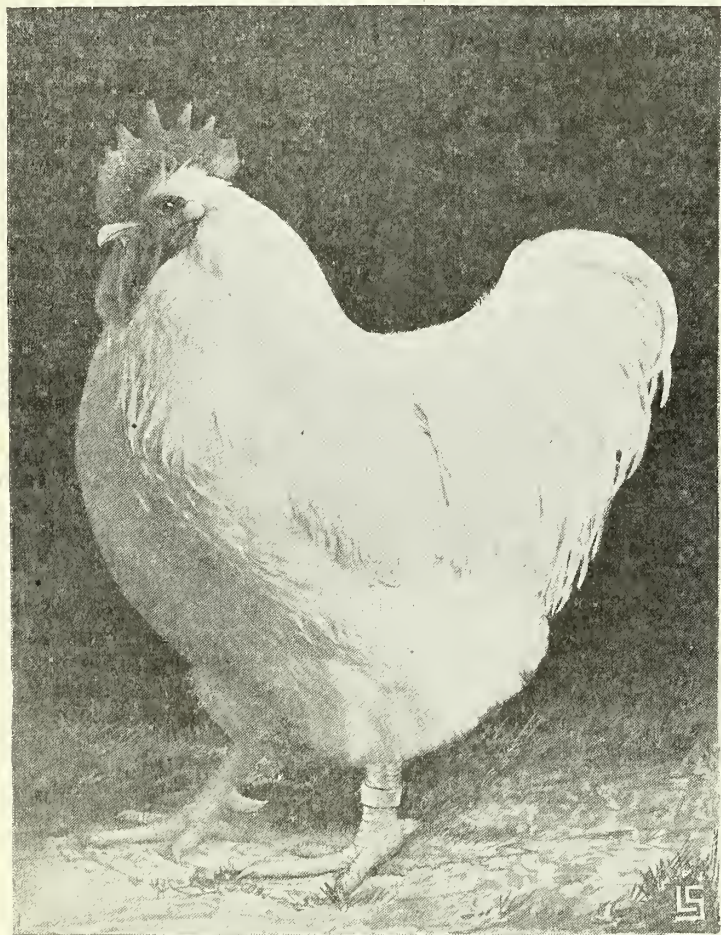
LOUIS LEE HAGGIN, owner of Russell Cave Poultry Yards, is a thorough fancier and an expert breeder, having been raised and reared on the Elmendorf Farm, which consists of 7,264 acres, and nothing is raised on this farm but thoroughbred stock. Thoroughbred horses have been bred here for forty odd years, and more famous horses have seen the light of day here than any other farm in the world, including the world-renowned "Salvator," still holder of the world's record, 1:35½, whose winnings amounted to \$135,000; also the mare Firenzi, known for years as "Queen of the Turf." In standard bred horses, Nancy Hanks was born and trained here. Since the Hart-Agnew bill the farm has disposed of over two-thirds of its thoroughbred horses and has gone more extensively into the production of cattle, sheep, swine, and general farming.

This farm co-operates with the Kentucky State Experiment Station and they are working together in experimenting with crops suited to the climate. This farm is well known abroad and foreign governments send students here every year. Mr. J. B. Haggin has built a palatial residence, which is surrounded by a park of about a thousand acres, virtually a blue grass lawn.

Russell Cave Poultry Yards are part of Elmendorf Farm and the home of Louis Lee Haggin, and consist of

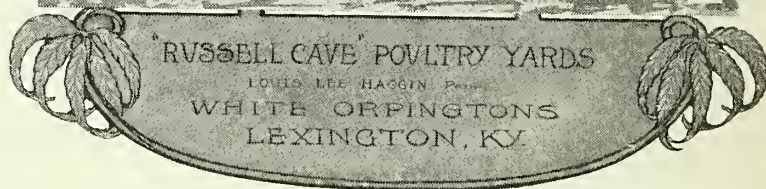
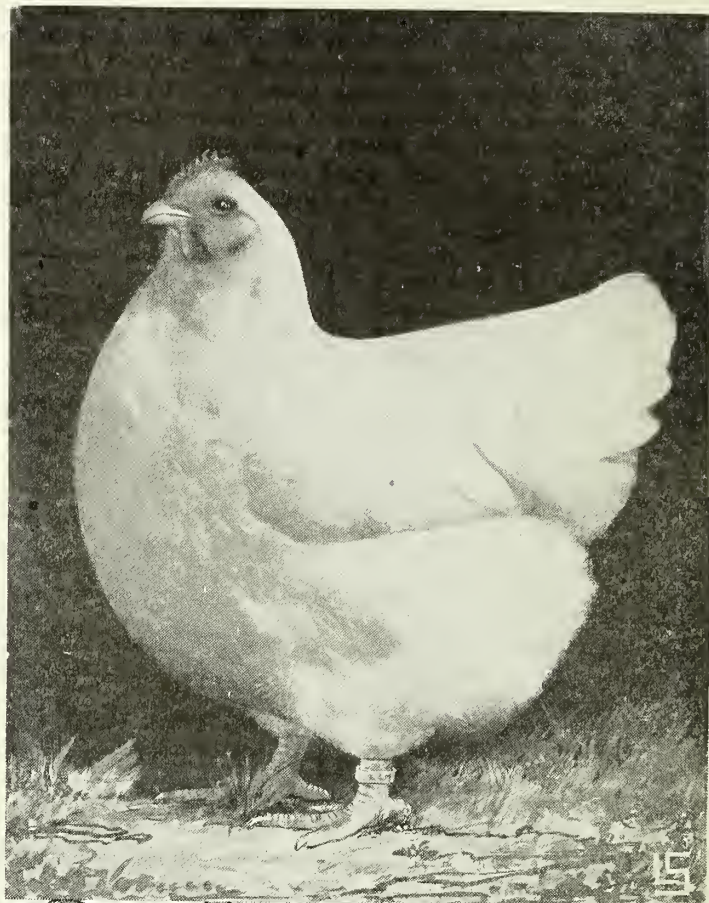
in producing a strong, vigorous, hardy strain of White Orpingtons which are less liable to disease and which breed truer to type and color than the ordinary breeder of less experience. Nothing but the best buildings are permitted here.

The breeding house is 20 by 140 feet, having twelve pens, 10 by 14, constructed to his own plans, which contain many new ideas of his own. It has a conditioning



1,100 acres. Mr. Haggin calls his plant Russell Cave Poultry Yards because of a cave near the house called Russell Cave. It derived its name from the original owner, General Russell, who was given 2,000 acres by the government for fighting the Indians in 1792, at which time he built the house which is now Mr. Haggin's home.

Having all his life been connected with the breeding of thoroughbred stock, Mr. Haggin is well posted in the science of breeding. He has incorporated into his White Orpingtons all of this knowledge and he has succeeded



room and office, store room and feed room. The water system has been thought out with as much care as has the construction of these houses. Chapman trap nests are used and a careful record of the laying of all birds is kept. In the construction of this house every consideration for the saving of time in cleaning, watering and feeding has been considered.

Each pen is provided with a run 10 by 60 feet and these runs are in an old apple orchard that has been sown in blue grass for many years. The brooder house is 60 by 16, heated with a large hot-water heater, being divided into ten pens, having a capacity of 500 chicks at a time, as Mr. Haggin will not crowd. He believes this is one of the reasons for the hardiness of his birds. Each pen has an outside run 5 by 40 feet, which is raised one foot above the level of the ground to insure absolute dryness. One of the points which is conducive to the health, size and stamina of Mr. Haggin's birds is attributed to the abundance of blue grass which his birds always have here in the very heart of the blue grass country.

A write-up of Russell Cave Poultry Yards would be incomplete without some mention of his Crystal Palace and Birmingham winners which were included in a recent importation made by Mr. Haggin. These are probably the best type of White Orpingtons we have ever seen, and to give you an idea of the size of these birds will say that after a long and tedious trip from England the male bird when taken out of the crate was up to standard weight.

Hundreds of beautiful show specimens are among the large flock of young birds, many of which are on range.

Hens Vie With Each Other in Egg Production

Contests at Two Agricultural Experiment Stations Now Under Way--Preliminary Announcements Interesting--Over One Thousand Hens Have Been Entered



SIX hundred and fifty-five hens in pens, and one hundred and thirty-one substitutes, representing nearly two-thirds of the states of the union, and one neighboring nation constitute the fowls now making history in the Missouri National Egg Laying Contest at the State Poultry Experiment Station at Mountain Grove, Mo.

A pen of Cornish Indians, owned by Peter Erickson, of Cabool, Mo., and one of S. C. White Orpingtons, owned by Dr. Thos. Dietrich, of Washington, N. J., have made the best record the first two weeks. Only an egg or two behind follows the S. C. Rhode Island Reds, entered by M. J. Ward, of St. Louis; S. C. White Leghorns entered by E. L. Neel, of Ashville, N. C.; Barred Plymouth Rocks, by Brooks Sanitary Hennery, Morgan Park, Ill.; and S. C. Black Orpingtons, owned by E. A. Berg, of Dune Park, Ind.

Three hens have laid every day since the contest began, a Columbian Plymouth Rock, entered by Clyde Patterson of Sedalia, a Barred Plymouth Rock by Brooks Sanitary Hennery of Morgan Park, Ill., and a S. C. R. I. Red, by N. J. Ward, of St. Louis. Fourteen other hens have laid every day but one. A Cornish Indian, No. 820, laid two eggs in one day, one in the morning, and one in the afternoon.

The largest hen entered in the contest is a White Langshan, owned by Henry Brockschmidt, of Freistatt, Mo., and the smallest hen is a Silver Spangled Hamburg, which weighs 1¾ pounds. One of the largest hens in the contest lays one of the smallest eggs, and one of the smallest hens lays one of the largest eggs.

The weather for the first two weeks was not ideal for starting such a contest, the day it opened the thermometer registered 18 degrees above zero. Snow fell for half a day, and the ground was covered a few days previous to the contest. On the eleventh day of the contest the thermometer registered 80 degrees above zero, and in less than twelve hours, it had fallen to 4 degrees above zero, a drop of 76 degrees. About fifty head of young stock were frozen to death, and Quisenberry and a force of men worked half of the night in sleet and snow trying to save the poultry.

This is one of the first great tests of the utility qualities and the laying abilities of the great American hen. There are thirty-nine varieties of poultry competing with one another in an attempt to lay the greatest number of eggs during the next twelve months. There are the Leghorns, whose descendants hail from Italy and Holland, the Brahmas and Langshans from Asia, the Houdans, whose descendants are natives of France, the Orpingtons and Cornish, imported from England, Indian Runners that were originated in India, and our great American breeds, Plymouth Rocks, Wyandottes and others. They all meet on a common level, to be housed in the same way, to consume the same kind of feed, to receive the same care and attention, and to make a record of great scientific and economic value to the farmers and poultry raisers of this and other countries.

The houses used are of the colony type, shed roof and open front, protected by an old fashioned window shutter. They are original, and of a different construction from the ordinary colony houses used at the present time—differing from them principally as to ventilation, light and arrangement. These houses were built with a view to simplicity, economy, comfort and health of the birds at all seasons of the year.

The grain to be used consists of wheat, cracked corn, and oats. Hoppers are also used in each house, and the hens have free access to a dry mash consisting of bran, wheat middlings, corn meal, O. P. oil meal, gluten meal, alfalfa meal, dry beef scraps, rolled oats, charcoal and salt. Oystershell, grit and granulated bone are also kept in hoppers. These keep the birds exercising all day. It is the active, happy hen with a good appetite that lays

Each house is provided with sufficient trap nests of the most improved and up-to-date kind. Each hen has a separate band number, running from No. 1 up. The nests are visited three times a day, and the egg from each hen is recorded. The eggs from each hen are

weighed, and all feed is weighed and charged to the pen consuming same.

These birds come from all classes of breeds, some who have bred carelessly and in a haphazard manner. A pen of ordinary barnyard scrubs has also been entered, and a comparison of the results from pure breeds and scrubs will be watched with a great deal of interest. The first fifteen days of the contest show much better egg production from the pure and carefully bred poultry than from that of a lower type and grade.

At the end of the second week, the leading pen, each pen consisting of five hens, had laid 41 eggs. Seven other pens have laid over thirty eggs each. 543 eggs were laid the first week, and 698 eggs the second week, making a total of 1241 eggs for the two weeks. This does not include fifteen eggs that were laid on the floor and drop-pings boards at night, which could not be placed, nor soft shelled or under-sized eggs.

Philadelphia North American's Contest

The Philadelphia North American international egg-laying competition, preparations for which have interested the poultry raisers of the whole country for more than three months, began Wednesday, November 1. Six hundred fowls—100 pens of five each and 100 substitutes—have been entered, representing England, Canada and the United States. These 600 blue-blooded layers, each selected carefully for health, conformation and productive capacity, are expected to make notable history in one of the greatest industries of the United States.

Special houses, built according to the latest approved plans, have been erected for the competition on the grounds of the Storrs Agricultural Experiment Station, Storrs, Conn. Scientific care and feeding are assured, under the supervision of noted experts. Thus the results, recorded with scrupulous accuracy, will not only show the productiveness of the various breeds and varieties, but will supply data as to the most effective rations, relative cost of feed and eggs, etc.

Of the 100 pens entered, twenty-two won a place on the first week's scorecard. The pens laid from two to ten eggs each, the grand total being ninety-one. With the birds in new quarters, having traveled long distances, several days in some cases, the first "score" is gratifying to the advisory board. The highest scoring bird for the week was W. B. Candee's white Wyandotte, laying six eggs in seven days. This attractive little lady is highly superstitious, skipping Friday in her effort to outdo her feathered sisters. Tom's poultry farm holds the record for the greatest number of eggs laid by one pen, single-comb white Leghorn pullets, Nos. 281 and 282, laid, respectively, four and three eggs, with three eggs found outside of the trapnests. George H. Schmitz's single-comb Buff Leghorns follow with nine. England secured third best laying pen, with single-comb White Leghorns, with a total of seven eggs; all this after a trip from the center of England to Liverpool, across the ocean to New York and thence to Eagleville, Conn.

Of the twenty-two pens laying, the Barred Plymouth Rocks contributed one pen; White Wyandottes, four; Columbian Wyandottes, one; rose-comb Rhode Island Reds, two; single-comb Brown Leghorns, one; single-comb White Leghorns, two; single-comb Buff Leghorns, two; Buff Orpingtons, two; White Orpingtons, two.

Some of the Ways of Introducing Roup

Beginners very often introduce roup to their flocks by doing some foolish thing. For instance, they will close up the house tight at night in winter, when the weather is very very cold, and allow it to remain closed all the next day. Naturally a moisture is created which generates a dampness, and the whole house will feel like a vault. The dampness which fills the house at night and which usually comes from the fowls' breath, can easily be dispelled in the daytime by opening all the windows wide. Nothing will dispel dampness so quickly as fresh air, especially if it be dry. It must be remembered also that fresh air never made a fowl sick, and it matters not how cold the outside temperature may be, it will benefit the fowls.—M. K. Boyer, Hamonton, N. J.

THE INDUSTRIOUS HEN

AND
TENNESSEE POULTRY JOURNAL

DEVOTED TO EVERY INTEREST OF THE

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S. B. NEWMAN & Co., Publishers

ADDRESS ALL CORRESPONDENCE TO

The Industrious Hen Co., Knoxville, Tennessee

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Correspondence Solicited

placing The Industrious Hen in the center of the greatest poultry producing section in the world, with a constituency of more than twenty thousand prosperous readers who are liberal purchasers of the articles mentioned in her advertising pages.

The Industrious Hen guards with careful zeal the interests of her patrons. Your personal mentions are published; your show winnings are given; your illustrations are inserted; your manuscript presented, and your advertisements thoughtfully and tastefully displayed. We receive many inquiries for stock and eggs; these are promptly referred to our advertisers in every instance. Our advertising rates will be increased to \$2.10 an inch less the regular space discounts, this increase to become effective January 1, 1912. Until New Year's day contracts will be received at the rate now prevailing. We trust that no one will fail to avail himself of the opportunity of talking to this great army of Southern readers, which can be reached through no other medium. We solicit an opportunity to co-operate with you in increasing your business. We will labor for your success and trust that you will put our magazine to the test during the coming year.—E. H. DePoy.

Who taught mankind on that first Christmas day,
What 'twas to be a man; to give, not take;
To serve, not rule; to nourish, not devour;
To help, not crush; if need, to die, not live.

—Charles Kingsley.

Growing Demand for Increase in Southern Poultry Products.

A BETTER grade of poultry and more of it should be produced on every Southern farm. There are many reasons why this should be done. Judging by the rate of increase in the price of all meat products during the past several months, it is obvious that the price of these products is becoming prohibitory, to the average workingman at least, and that he must look elsewhere for his meat supply. Naturally, then, it is patent that he should turn his attention to the poultry yard, and the demands for economy suggest that he should be able to look to his own flock.

The demand for a better quality of poultry and eggs is constantly becoming greater; the supply is not equal to the demand, and we believe the day is far distant when it will be, notwithstanding the fact that the supply has increased many fold during the last quarter of a century. With our rapidly increasing population, and the increased use of eggs for various purposes, there must be a still greater increase, and we are constrained to reiterate that the poultry business should receive more attention from the farmer. It is conceded that the great bulk of all poultry products must come from the farm, and that the present supply may be doubled and even quadrupled without disturbing the general market or appreciably reducing present prices.

The statistics on the production of beef cattle, as reflected by the 1910 census reports, show that there has been a tremendous decrease in the last decade, as compared to the production of other classes of live stock. From a statement issued by the census department we are reminded that the increase in the value of mules during that period has been over 162 per cent. The next in order in the amount of increase stands horses, which in ten years increased about 131 per cent. In striking contrast to these marvelous increases the report shows that the increase in the value of beef cattle has been but seven-tenths of one per cent. In January, 1911, it was announced that there were over five million less hogs in the United States than on the corresponding date a year earlier. These figures are startling, and in them we can see no indication of an early decrease in the price of meat products. Neither is it unreasonable to presume that present prices of these products, already prohibitory, will see still further advances, students of the cattle industry claiming that the shrinkage in the production of meat animals is due to a general movement in all sections toward the keeping of other classes of stock.

In the light of these facts, is the opportunity for increased poultry production not evident? Who but the Southern farmer can we look to for this needful increase? The opportunity is his, and he should prepare himself for it by a systematic study of the care of the hen, through the aid of practical demonstration work and proper feeding. To this should be added the information to be gained through following the writers in our best poultry publi-

A Word On the Passing of the Old Year

THE old year is dying. It seems but yesterday since we crossed the threshold into 1910, and faced the responsibilities of another year. The year just nearing its close is, perhaps, the greatest in all the world's history. Marvelous achievements in all lines of human endeavor, and events of great import to individuals and to nations have marked the passing days, prosperity has been abundant and our people are at peace.

To no class of people has the year 1911 meant so much, perhaps, as to those of our own Southland. Every moment of time has throbbed with the quickening influence of increased business of every nature. The Southern farm, that once lay waste and neglected, yields her increase to the man who has discovered that farming is a science and who is in love with the greatest and noblest calling that God has permitted man to engage in.

The great army of Southern poultrymen and poultry women have shared in the enlarged prosperity that has come to our section. From every state and from every county come reports of large increases in the number of fowls raised, and of a corresponding improvement in the quality of the birds kept. The Industrious Hen has shared in the prosperity that has come to all alike, and has attempted to keep pace with the marvelous growth the industry has enjoyed. We are proud of the manner in which our efforts have been received. Our subscription list is much larger than at any previous time during the life of the magazine, and we leave our advertising pages to speak for themselves.

The Industrious Hen is the standard poultry publication of the South. It circulates among the better class of Southern poultry men and women, those progressive Southern breeders who are spending thousands of dollars annually to increase the quality of their flocks and for modern poultry appliances. The Southern poulterer knows no season; with our long summers and open winters, with green food and open range the year round, he produces poultry and goes into the markets of the world for the things needful and necessary for the conduct of a business that thrives while those of less favored sections of our country await the coming of a convenient season.

It was but natural that there should be an increase of more than sixty-five per cent in the number of poultry kept on Tennessee farms during the past decade. Increases in other Southern states have even exceeded this, thus

cations, acquire the knowledge of inducing "biddy" to produce eggs during the fall and winter when prices are highest, and thus create and maintain an income the year round.

The farmers of the South are losing millions of dollars annually because of a lack of knowledge of the proper method of rearing and marketing poultry and poultry products. The American hen is no longer a nuisance around the farmyard; she is the mother of a billion dollar industry; her song is more musical than the matinlay of the mocking bird; she is the basis of prosperity and the future hope of the Southern farmer, and if accorded proper treatment will produce more profit than any other one product of the farm.—E. H. D.

Mr. Langford Writes of His Stolen Birds

THE Industrious Hen takes pleasure in giving space to a letter received from Mr. Frank Langford, of Nashville, Tennessee, in which he makes extended reference to the mysterious exchange of birds at the late Appalachian Exposition poultry show. The letter in full is as follows:

"I sent a few Rhode Island Reds to the Appalachian Exposition show, held in Knoxville, Sept. 25 to 30, and four of my most valuable birds were stolen. When the birds were returned and before they were uncooped, we saw that we had birds that did not belong to us. We at once wired the Association, hoping that a mistake had been made in shipping.

"I next discovered that the Appalachian leg bands worn by my four stolen birds had been taken off and placed on the worthless specimens returned to me. This made it a clear case of theft. The Association would not have changed the leg bands, but this was the work of a thief. I next expected to hear of other birds being short or shipped to wrong parties, and sure enough this was the case. This was only a part of the thief's plan to make it appear that there was a general mix-up in shipping. I want to say, though, that I have heard of no other leg bands being changed.

"This is a serious affair and one that should be sifted to the bottom. From every state in the South, and many states North poultrymen have written us urging us to push this case. I have exhibited birds in all the leading shows of the South and three times in New York, never thinking of accompanying my exhibits. This is the first time that I have been robbed, but the thing has happened once before.

"Several years ago I sold a cockerel to a Mrs. Hurt of Lime Rock, Alabama. After receiving the bird, Mrs. Hurt showed the bird at Birmingham. At the close of the show she was returned a worthless cull. Mrs. Hurt's cockerel was never found, but one year later a gentleman from North Alabama told us during the State Fair here where the cockerel went and by whom he was stolen. This information was given us with the understanding that we were not to use it.

"Judging from the small boned, duck-legged birds returned to me, the thief evidently needed size and bone in his flock and acted accordingly. One Red breeder has suggested that this was no amateur's work, but the work of a man who knows Rhode Island Reds.

"I do not think the birds will ever do him much good. He will always know that I know him.

"It is a difficult matter to cover your steps and not leave a track. It has been said that it is impossible to construct a false consistency of circumstances beyond a very limited extent, but the criminal, in spite of all human experience, has never learned this."

We do not believe it will be amiss to publish herewith a few facts in connection with the disappearance of Mr. Langford's birds, as recited in his letter. Upon receipt of the telegram of which Mr. Langford speaks, the management of the Exposition show started an investigation and made every effort to locate the birds. A voluminous correspondence was indulged in, special counsel was employed, and every breeder of Rhode Island Reds who exhibited at the show was communicated with, but to no avail. As stated by Mr. Langford, some misplaced birds were located, but as far as we know satisfactory exchanges were made in these cases and there was no loss to the owners.

There are interesting features in Mr. Langford's letter which deserve notice. In the first place it will be observed that the Association is absolved from all blame, and a specific charge of theft is made; "the Asso-

ciation would not have changed the leg bands, but this was the work of a thief." The exchange of leg bands, as charged by Mr. Langford, is further and conclusive evidence that the loss of the birds was due to no error on the part of the management. Exchanging leg bands from one bird to another in the show room is never accidental; it is the work of a criminal and the perpetrator of such an offense is guilty of larceny.

Mr. Langford intimates that he knows who has his birds. "I do not think," says he, "that the birds will ever do him much good. He will always know that I know him." Then if this be true, (and we doubt not that Mr. Langford is honest in what he says) why does he not take legal steps to regain possession of his birds? Mr. Langford further states that it has been suggested to him by a Red breeder that this was not the work of an amateur, but of a man who knows Rhode Island Reds. Then the suggestion, coming as it does from a breeder of Reds, adds weight to the charge and makes it more specific. In fact, it smacks of the assumption that one could place his finger on the guilty man, and would experience no difficulty in establishing his guilt.

We agree with Mr. Langford that "this is a serious affair and one that should be sifted to the bottom." The Association has sifted, and the sifting has left no trace of tracks or feathers. No member of the Association, no official of the show, could identify Mr. Langford's birds. To establish the charge of theft, Mr. Langford must first prove that his birds were stolen; he must identify his birds positively and prove their identity; upon him rests the responsibility of exposing to the world the unscrupulous scoundrel who is willing to risk the sacrifice of his personal reputation for the acquisition of property which, after it has been acquired may result not only in disgrace and shame to the perpetrator and his family, but debar him from the show room and perchance place him behind prison bars.

If Mr. Langford is in possession of the knowledge which his letter suggests, we ask in all candor, is it not his duty to institute such proceedings as will bring the perpetrator to the attention of the world, and rid the show room of a peril that in a little while would rob our shows of all claim to the patronage of the honest exhibitor, and destroy forever to the exhibitor the fruits of victory garnered in the show room as the result of a judicious expenditure of time, money, patience, perseverance, and energy.

Since the charge of theft has been so specifically made by Mr. Langford, and the virtual admission made by him that he can name the person who has his birds, justice to every exhibitor and breeder of Rhode Island Reds who visited the Appalachian Exposition demands that he name his man. The initial statement that the birds were stolen, augmented by the further intimation that the thief is a man who knows Reds, makes it imperative that the guilty man be made known, for we are unwilling that even a shadow of suspicion should fall upon the innocent. The Industrious Hen may be depended upon to do its full duty in bringing to justice those persons who visit the show room under any guise save that of an honest gentleman, and we trust that the man who stands charged with pilfering Mr. Langford's birds, whatsoever his station or standing, may be forced to pay the penalty of his crime.

The man, if such he be, who has the unmitigated effrontery to ply the traffic of a common thief in the leading shows of the country is undeserving of the name of poultryman, and if the show room is to be maintained as a place where men and women of unquestioned honesty and reliability are to meet in friendly competition, with no thought other than the further upbuilding of a great industry, then such brazen knavery must be rebuked, and the base and dishonest forever eliminated.—E. H. D.

With this issue we begin the publication of a series of articles on "Incubation and Incubators," by Richard H. Wood, M. D., of the United States department of agriculture. The first of these articles is a study of the egg and a brief history of incubation. The series will continue through January and February. The second article will deal with the incubator, giving a minute description of its most important parts. "How to Operate An Incubator," the third of the series, will appear in our February issue. Dr. Wood is one of the leading authorities on the subject of incubation, and these articles have been selected for reproduction in this journal after considerable research and a careful study of many articles and bulletins having to do with the very important subject of artificial incubation.

HOUDANS "Worth While," The Winning Strain. At Nashville, Tenn., they won -2-3 cockerel; 1-2-3 pullet; 3-4 hen; 3-4 cock, in a class of about 125 birds. At Springfield, Ill., they won 1-2-3 cockerel; 1-2-3 pullet; 1-3 cock; 2-3 hen; 1st pen. If you want winners, write me. **DR. G. G. BILLMAN, Box H, Evansville, Indiana**

READ THIS WHITE ROCK breeders who desire to breed up their flocks will do well to communicate their wants when in need of stock or eggs of this desirable breed. Early hatched cockerels of a faultless and vigorous type for sale at one fifty and three dollars each.

MARTIN F. SCHULTES, 748 South Barksdale Ave., Memphis, Tenn.

WHITE PLYMOUTH ROCKS

WORLD'S BEST WINNING STRAINS

Buff Rocks--Buff Cochin & Red Pyle Game Bantams

Our birds made exceptional winnings at Memphis, Atlanta, Augusta, Birmingham and Hagerstown, Md. Eggs from Championship matings, \$10.00 per 15; exhibition matings, \$5.00; good matings, \$3.00. 10 Chicks Guaranteed. No cheap birds, but grand ones reasonable. **JNO. L. SMITH, Prop.**

WONDERLAND POULTRY FARMS,

241 Peters Street, Atlanta, Ga.

Lawrence Jackson Strain WHITE ORPINGTONS

My winnings this season place me at the top with my string of WHITE ORPINGTONS. So far on six entries I have won 1st and 2d pullet at Memphis, 1st hen and 2d cock at Jackson. If you want to win, write me and I will tell you how to get the ribbons.

HARRY CALLICOTT,

Coldwater, Mississippi

R. C. R. I. Reds and White Runner Ducks

My birds are prize winners and they lay, weigh and pay. A fine lot of high-class cockerels for sale at \$2.00 to \$10.00. Eggs at all times. I will please you.

MRS. H. R. NUSZ,

Box 300, Cecilian, Kentucky

WHITE WYANDOTTES

My Wyandottes won at Alabama State Fair in Birmingham 3d cockerel, 1st and 2d hen, 2d, 3d and 4th pullets, 3d pen. At West Alabama Fair in Tuscaloosa, won sweepstakes and best pen. My Mammoth Pekin Ducks took everything in Birmingham, Montgomery and Tuscaloosa. Have a fine lot of young birds for sale.

OLIVER RUTHERFORD, Box 77, Eutaw, Ala.

Partridge Wyandottes

Send for catalogue and list of winnings at such shows as Baltimore, Pittsburg, etc. Let me tell you why they are the best of all the Wyandottes.

M. M. CECIL, Route 4, Elm Grove, W. Va.

FRANK'S S. C. RHODE ISLAND REDS

Now is the time to arrange for your

SHOW BIRDS

Write me, stating show you wish to make and about price birds desired.

JAMES M. FRANK, Cherry, near Church, NASHVILLE, TENN.

Vote for Nashville as next meeting place A. P. A.

Flotsam & Jetsam

By The ASSOCIATE EDITOR

CHRISTMAS.

"This day
Shall change all griefs and quarrels
into love."
—Shakespeare.

Farmers near Paris, Tenn., have organized a hawk and owl club, for the purpose of exterminating hawks and owls. Membership fee is one fine hen and a pledge to do all in his power to exterminate these birds of prey. At the first annual meeting Mr. Alvin Lemonds, an aged farmer, reported that he had killed 82 hawks and owls, and was awarded the capital prize, all the hens brought by the members.

Queer Pair of Twins

John T. Appler of Clayton, Mo., is the owner of a Light Brahma hen that recently laid an extraordinarily large egg. It measured 8½ inches in circumference the long way and 6½ the short way. Curious to know whether or not it would hatch, Appler put the egg under a hen and three weeks later he found twin chicks in the nest, one of them a Silver Wyandotte and the other a Light Brahma. The hen had been in a pen with a Silver Wyandotte male.

It was the pleasure of the writer to entertain Mr. J. C. Vaughan of Lebanon, superintendent of the Appalachian Exposition Poultry show, during the week. Since his return to Lebanon we had a letter from Currey announcing the arrival of Master Ned Vaughan, whom Pater Vaughan has already dedicated to the Black Minorca fraternity. We congratulate Supt. Vaughan and trust that Master Ned will prove a veritable "chip off the old block."

Mr. Flynn Elliott of Charlotte, N. C., was one of our pleasant callers during the Exposition show. Mr. Elliott had a string of birds with him, and fourteen prizes on as many entries. He breeds eight varieties of water fowl. Some of his other breeds are Black Langshans, White African Guineas, Games, Houdans, Mammoth Bronze Turkeys, Pigeons, and several varieties of Bantams.

"Main laying house No. 1," which is the principal feature of the large poultry plant now being installed at the Woodlawn Poultry farm, Morristown, Tenn., has been completed. The building is a frame structure, sixteen feet wide and 112 feet long. It is closed at both ends and on the north side, with a row of large windows on the south. It will accommodate when complete, about one thousand hens. In addition to the main build-

FOR SALE

Some Nice Single Comb R.I. RED and Single Comb BUFF ORPINGTON Cockerels

Your money back if birds are not as represented. Hatched from winners at Knoxville, Washington, D. C., Ashville, N. C., Roanoke and Bristol, Va.

E. C. HAMILTON, Abingdon, Virginia

"Pittsburgh Perfect"

Poultry and Garden Fence

The Old Year Out—The New Year In—

and many of them! And "Pittsburgh Perfect" Fence still gives that real, satisfactory service which has made its success complete—ask the poultryman or farmer who has stretched it on his property. He knows. And he will also tell you durability and adaptability count most in wire fencing.

The special quality of Open Hearth wire used in "Pittsburgh Perfect" Fence, like the old time iron wire, is the toughest, strongest, most durable fence wire produced. Covered with a heavy coating of pure zinc—the best galvanizing metal known—the wires are then made into fence by Electrically Welding the stays and strands at every touching point, producing for all time

THE WELD THAT HELD

No hog can spread the stays, no force can pull the weld apart, and the old-style weight-increasing and strength-destroying wraps, clamps, hinges, etc., are entirely eliminated.

See your dealer; if he hasn't just the style you want, he can get it for you—or write us direct for Catalogue showing styles of fences perfectly adapted to every

FIELD, FARM, RANCH, LAWN OR POULTRY YARD

PITTSBURGH STEEL COMPANY, Pittsburgh, Pa.

MAKERS OF "Pittsburgh Perfect" Brands of Barbed Wire, Bright, Annealed and Galvanized Wire, Fence Staples, Standard Wire Nails and "Pittsburgh Perfect" Fencing



ing, Woodlawn Poultry farm will have twenty colony houses, a large brooder house and an incubator cellar, and about eight acres of open range, about half of which is shaded by a grove of chestnut and oak trees. C. E. Eckel, owner, and F. D. Smith, superintendent, of Woodlawn farm, state that they are preparing to raise five to six thousand chickens next year. A second laying house will be built next season, and two thousand hens will be kept for laying purposes. In addition to these there will be separate flocks for breeding and fancy stock.

If He Did or if He Didn't

"Michael Dolan, an' is it yourself?"

"Yes; sure it is."

"Well, ye know thot bletherin' spalpeen, Widdy Castigan's second husband?"

"That I do."

"He bet me a bob to a pint of whiskey I couldn's swally an egg without breakin' the shell uv it."

"An' ye did it?"

"I did."

"It's doon there," laying his hand on the lower part of his waist line. "If I jump about I'll break it and cut me stomach wid the shell, and if I kape quiet it'll hatch and I'll have a Shanghai rooster scratchin' me inside.—Exchange.

It was with sincere regret that we learned of the death of Mrs. Lansden, wife of Judge H. B. Lansden, which occurred at her home in Manchester, Tenn. Mrs Lansden was

Price Cut Right Half in Two on the New Buffalo Incubator

THE WHOLE STORY IN AN "EGG-SHELL" is that I have cut my expenses down to rock-bottom by eliminating expensive branch houses and managers, the printing of expensive catalogues and literature, with the postage on same, and all other selling expenses. All this saving goes into making an even better incubator than last year.

You get the benefit, for I am going to send you a better machine than you could buy elsewhere at double the price.

The New Buffalo Equipment

Perfect ventilation—three compartment heater—accurate regulation—egg trays covered with galvanized wire cloth—strongly made legs of heavy metal, nicely shaped—double door—deep nursery—safety lamp, and all materials throughout of the best. I am offering all these new improvements in the Standard Buffalo Incubator at half-price—a saving of 50% to you. Why should you pay twice my price for an incubator not up to the new Buffalo Standard?

YOU GET THESE LOW PRICES:

Offer No. 0. — 50 to 60 Egg Size, Shipping Weight, 65 lbs.	\$ 9.50
Offer No. 1. — 110 to 120 Egg Size, Shipping Weight, 90 lbs.	12.00
Offer No. 2. — 220 to 240 Egg Size, Shipping Weight, 130 lbs.	16.00
Offer No. 3. — 340 to 360 Egg Size, Shipping Weight, 160 lbs.	20.00

Now About the Brooder:—

What I have said about the New Buffalo Incubator, its quality of construction and lowness of price, applies equally well to the New Colony Brooder. Easily taken apart,—good lumber, fibre board roof, sanitary, open-hearth floor of galvanized iron, double heater above the lamp, profuse ventilation and all best features to be found in any brooder.

These Prices Make the Buffalo Brooder the One Best Buy

Offer A. — The Buffalo Colony Outdoor Brooder. Size all over, 3 x 6 feet. Shipping weight, 150 lbs. Price, \$12.00

Offer B. — The Buffalo Indoor Brooder, which is the nursery half of Colony Outdoor Brooder—constructed heated and regulated same as Colony. Size (not including run) 3x3 feet. Shipping weight, 90 lbs. Price, \$9.00

My Guarantee: I guarantee to see that you are satisfied. Your money back instantly if you are not.

If you wish more information, write today and I will send you descriptions and complete details.

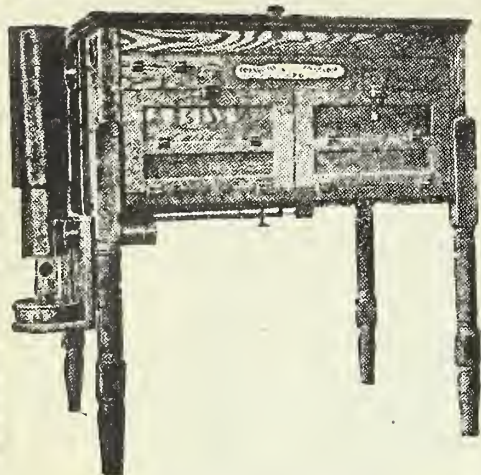
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CHAS. A. CYPHERS, Pres.,
BUFFALO INCUBATOR CO.,
476 Dewitt Street, BUFFALO, N. Y.

Dear Sir:—Enclosed find \$..... (P. O. Order—Exp. M. O.—Draft—Check) for which ship me offer No..... in accordance with offer made in December issue of Industrious Hen.

Name
Address
Shipping Station
State

BUY A PETALUMA ——— BUY A PETALUMA



PETALUMA INCUBATORS

Will hatch more strong, livable chicks from fertile eggs with less fuel expense and less trouble of operating than any other. Attachments for Oil, Gas, Electricity.

Ask your Hardware Dealer for Catalog, or send his name and get one direct.

Full Line of Poultry Supplies
Pure White Indian Runner Ducks.
Eggs \$8.00, \$6.00, \$3.00 for 15 eggs.

We pay freight. Standard of the world. Just won Grand Prize at Lurin, Italy, Exposition.

PETALUMA INCUBATOR CO., 142 N. Delaware St., Indianapolis, Ind.

THE WORLD'S GREATEST WINNING AND LAYING STRAIN

S. C. WHITE LEGHORNS S. C. RHODE ISLAND REDS

I am offering to sell birds of the highest quality from \$1.00 up. I have plenty of good Cockerels yet and am shipping on approval, and if not satisfied I pay charges both ways. Write me your wants and get something that will win and lay for you. They have been winning for the last twelve years at the leading Southern shows.

HERBERT HAUN : Mohawk, Tenn.

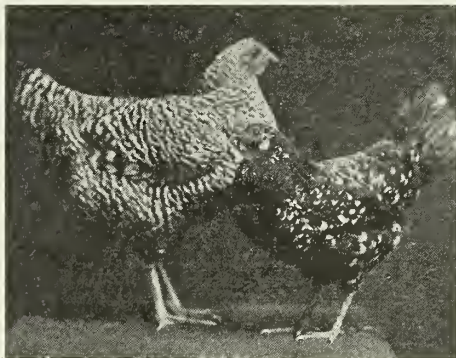
Riverview Poultry Farm

Home of high-class exhibition and utility

S. G. MOTTLED ANCONAS

Winners wherever shown—1st pen, 1st cockerel, 1st and 2d pullet at Morristown Fair. All prizes at Appalachian Poultry Show. First on all birds entered (except one) at Appalachian Exposition, 1911. **BARRED PLYMOUTH ROCKS**—The very best there is; large, heavy laying strain; they too have made us good winnings at three poultry shows in 1911. **Dark Fawn and White INDIAN RUNNER DUCKS**, famous laying strain. A few **S. C. WHITE LEGHORN** cockerels and pullets for sale at \$1.00 each. Write for 1912 prices and mating list.

W. F. BAYLESS, Morristown, Tenn.



Single Comb Brown Leghorns

FOR SALE

Yearling cock and yearling hens. Quite a number of cockerels and pullets that would make fine breeders. Circular free.

M. S. COPELAND, : Old Phone, : R. F. D. 1, Powell Sta., Tenn.

R. B. P. Rocks---S. C. B. Leghorns---S. C. R. I. Reds

I have 300 choice birds from best prize winning strains. Splendid utility and show room stock—can't be beat. Prices reasonable. Write me your wants and I will give you satisfaction.

EDISON POULTRY YARDS

MRS. B. F. PAYNE, Prop. : : Route 1, Humboldt, Tenn.

SECRETARY'S ENTRY BOOK

A very compact book, size 8½x8½ inches, giving ample space for making entries without crowding. Print is a feature that adds much to the book and affords a great saving of time in making entries.

50 Leaves, \$1.00; 75 Leaves, \$1.50; 100 Leaves, \$2.00.

THE INDUSTRIOUS HEN CO., Knoxville, Tenn.

a most estimable woman, beloved by a large circle of acquaintances. Judge Lansden himself was critically ill at the time of her death, and for several days his life was despaired of. For the second time within a few months death has invaded the home of Judge Lansden, the first visit claiming his only son. We join with Judge Lansden's many friends all over the south in expressing our deepest sympathy.

The following is U. S. Senator Robt. L. Taylor's invitation to the A. P. A. to hold its 1912 meeting in Nashville.

"Washington, D. C., July 25, 1911—To the American Poultry Association 'Setting,' Denver, Col.—Gentlemen: The Tennessee brood send greetings and good will across the irrigated plains to the American Poultry Association to hold its 1912 cackle with the parent nest at Nashville. We are sending our chief cock, Mr. John A. Murkin, to you bearing expressions of fraternity and to crow before you over Tennessee's hospitality. I beg you to yield to his persuasions. Tennessee, like Colorado, is dry, but I have heard some folks sometimes irrigate in Nashville. We promise to give you chicken in every style, and if you fall into the clutches of the irrigators, we can't help it. Truly and insistently, "ROBT. L. TAYLOR."

Mr. J. A. Dinwiddie, a member of the editorial staff of the Industrious Hen, who was in charge of the poultry exhibit on the agricultural train which recently toured the state of Tennessee, measured up to every demand made upon him. In a review of the good work done by the different crews on the train the Knoxville Sentinel had the following to say of Mr. Dinwiddie:—

The poultry expert with the state agricultural train is James A. Dinwiddie, proprietor of Chick-a-Dee farm near New Market, Jefferson county. Mr. Dinwiddie is a noted poultry raiser, and has had a success in that business. For three terms he attended the agricultural short course of the state agricultural college at the University of Tennessee. He is frequently called upon to act as a judge of poultry exhibits, and now has a number of engagements ahead. On the present tour he has been heard by thousands who are interested in poultry. Many have invited Mr. Dinwiddie to visit their poultry yards and give advice, which he has done without cost. He is one of the sterling farmers of Jefferson county, and is a contributing editor of the Industrious Hen

A good conscience is a continual Christmas.

—Benjamin Franklin.

The editor of this department desires hereby to express to Dismukes & Arrington, of Castalian Springs, Tenn., his grateful appreciation of a pen of handsome Mottled Anconas. These birds were loaned to Commissioner Peck, and made the rounds with the agricultural train through East Tennessee, and were admired by thousands. If it did not impress us as an impossible task, we would use

HATCH YOUR CHICKENS

"30 Chicks From 32 Eggs"

P. O. BOX 65, W. MANSFIELD, MASS., Aug. 5, 1909.

GENTLEMEN:—My first hatch from the Cycle Hatcher came off last night. Thirty big, husky chicks from thirty-two eggs. That sounds good, looks better.

During the incubation the weather at times was excessively hot and the hatcher was in a room that varied sometimes over forty degrees within eight hours. I am giving the Cycle hard conditions, but I intend to carefully follow your system of caring for the hatch. Yours truly,

C. H. FISHER.

"I Am Pleased"

LOCKPORT, N. Y., May 16, 1910.

GENTLEMEN:—Eight weeks ago I bought a Brooder-Hatcher of you. The first hatch I got only ten chicks; the last hatch I got 44 chicks from 50 eggs. I am pleased. I use your brooders for all my chicks. I have 200 chicks now. I have good luck with the brooders. The first hatch, one was a cripple; I killed him, put the nine in the brooder coop and still have the nine chicks. They weigh one pound at six weeks old. After I fed the hens as you told me I had good luck.

Yours truly,

ARTHUR BIRD, R. F. D. 9.

"No More Lousy Sitting Hens for Me"

SPARTANBURG, S. C., May 19, 1909.

GENTLEMEN:—No more lousy sitting hens for me. I never saw an incubator in operation until I purchased one from you, and the following is the result, without special attention. From 118 eggs, placing them 15 to 20 in incubator each week, I got 103 chicks. I never saw chicks do better and are not one-fourth the trouble they are with hens. Respectfully,

ROBERT R. TEAM, 117 Kennedy St.

"41 Chicks Out of 46 Eggs"

GENTLEMEN:—You are no doubt interested in the success of your machines. I got 41 chicks out of 46 eggs. The chicks are all strong, healthy little fellows which speaks well for your Hatcher. If you can use this as a testimonial you are at liberty to do so. Wishing you success, I will help you all I can in this section. Respectfully,

G. J. GRAY, Carrollton, Ga.

"Hatched 30 Chicks From 30 Eggs"

MULBERRY, IND., May 13, 1910.

GENTLEMEN:—I bought one of your Hatchers last fall and like it very much. Hatched 30 chicks from 30 eggs. I would like to have your terms for agents as I would like to have the agency in this community, if terms are reasonable. Enclosed please find a stamp for return mail. Yours respectfully, PAUL C. SMITH.

"Your Metal Hatcher is What You Claim For It"

LLANO, TEXAS, March 11, 1910.

GENTLEMEN:—Your metal Hatcher is what you claim for it. Less oil, less work, and more chickens than any machine that I have ever used. As soon as I can dispose of the "Great-and-Onlys" I have, I will replace them with your make. Yours most truly, J. H. CARTER.

With A NEW 1912 Cycle or Brooder Hatcher

Our New Discovery Makes Poultry Keeping Easy and Profits Sure

The Largest Stock of Machines in the World

OUR machines were used exclusively in the original Philo System Plant where over \$1500 from 60 hens in ten months has been cleared from the sale of eggs, baby chicks and fowls raised on a city lot 40 feet square. One of the largest plants in America saved over \$700 this year by using our system of brooding. We sell the best brooder ever made for \$2.50.

One party hatched and raised \$500 worth of poultry last year with four Metal Motherers, and hundreds of others are delighted



Sectional View of Brooder-Hatcher Brooding Chickens While Hatching Eggs. Cost, including Freight Charges, is Seldom More than \$10. Usually it is Much Less.

with our machines and our new way of raising poultry. Our combined machine hatches and broods perfectly at the same time with only one lamp and one-fifth the oil used in other machines. Once filling the lamp completes the hatch. It runs as steadily as a clock in any room, from cellar to garret, and our Long-Burning Safety Lamp runs on for weeks without attention. It is the only machine that airs the eggs in the natural way and applies the heat to chickens like the mother hen.

THE PRICE OF A GOOD HEN WILL PAY FOR A MACHINE

Write to nearest office for catalogues, or we will mail one from our main office at Elmira, N. Y.

Our new 200-ton metal presses are making the finest machines we have ever turned out. In our new machine 500 strong chickens from 600 eggs set is one of the latest records; many hatchers are producing a chick from every egg set.

The Cycle produces the strongest chickens at the lowest cost. What more could you ask?

SAVE FREIGHT CHARGES

BY ORDERING DIRECT FROM NEAREST BRANCH OFFICE:

NORTH

Cycle Hatcher Co., Aulander, N. C.
Cycle Hatcher Co., Atlanta, Ga.
Cycle Hatcher Co., Jacksonville, Fla.
Cycle Hatcher Co., New Orleans, La.
Cycle Hatcher Co., Houston, Texas.
Cycle Hatcher Co., Denver, Col.
Cycle Hatcher Co., Oakland, Calif.

SOUTH

EAST

WEST

Cycle Hatcher Co., Norwood Park, Chicago, Ill.
Cycle Hatcher Co., St. Louis, Mo.
Cycle Hatcher Co., Des Moines, Ia.
Cycle Hatcher Co., Lake Preston, South Dakota.

Main Office: **CYCLE HATCHER CO., Elmira, N. Y.**
104 Lehigh Ave.

"The Brooder-Hatcher a Great Little Machine."

MOBILE, ALA., June 25, 1910.

GENTLEMEN:—The Brooder-Hatcher you shipped me last month came in good order, and I at once put 54 eggs in it and at the end of ten days, tested out four eggs, and on the 21st day it began hatching and hatched out 48 fine chicks from the 50 eggs. This I consider a fine hatch. I consider the Brooder-Hatcher a great little machine, and if you wish to use this as a testimonial you may do so.

Very truly yours,

A. T. ARNOLD, 253 Dauphin St.

"Every Egg Hatched a Fine Chick"

WARTHEN, GA., March 15, 1910.

GENTLEMEN:—Enclosed find check. Please ship me four Cycle Hatchers instead of two, as you will see I ordered two from you on the 12th, just three days ago.

Since ordering the two Hatchers, I have been fortunate enough to hatch out of 53 of my fine Barred Rock eggs in the Brooder-Hatcher I bought of you about one year ago, 53 fine looking, strong, B. R. chickens. NOW I WOULD LIKE TO SEE THAT BEAT IN ANY INCUBATOR; OR EVEN THE OLD HEN CAN'T DO IT. You see I crowded 53 eggs in a fifty-egg machine, and then every egg hatched a fine chick. I will testify to this and put it in any paper or let you do so if you like.

I hatched 39 in my last hatch out of 46 fertile eggs, and have gotten over 40 several times, but have never heard of so good a hatch before. I hope you will rush the four machines out to me as I have them or part of them sold.

Yours truly,

T. R. DUGGAN.

My X-RAY Saves You From 75¢ To \$1.25 Every Hatch

MY X-Ray Incubator is built entirely different from all the Old Style machines. I place my lamp *underneath*, square in the center—where it should be—and *not* on the side. Thus I get an absolutely even temperature throughout the egg-chamber *all the time*—and there is *no cold side*. I use a *big* oil tank on my X-Ray—holding 4 to 8 quarts of oil—fill this up *just once* and you don't have to touch it again until *after the hatch*. You don't have to fill it every day as with the old-style machines. One gallon of oil is all that is needed for a hatch—just one gallon! Why? Because every bit of heat in my

X-RAY Incubator

"Built Different From All Other Machines"

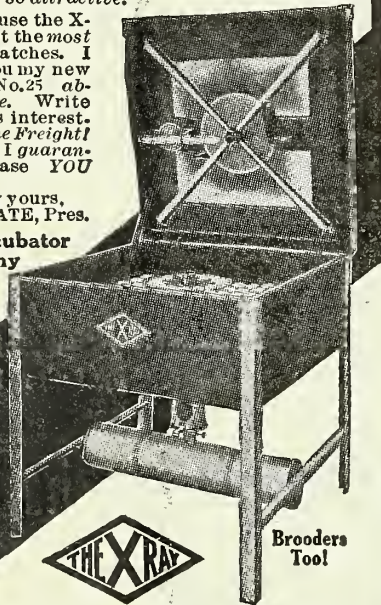
is used to best advantage because my *automatic* trip—an exclusive patented X-Ray feature—cuts down flame at the burner when egg-chamber gets too hot. Others burn high *all the time* and let excess heat escape. My machine *controls* it!—saving both oil and money. You never have to touch the regulator of my X-Ray—it's *automatic*; it's the most perfect heat regulating device ever invented. My heater being so centrally located (underneath) conveys *equally* a direct heat from the lamp into every part of the egg-chamber. Door of my X-Ray is on *top*—where there are *two* double-glass panels through which you can see the thermometer *any time*—without raising lid and chilling eggs. To ventilate or turn eggs, simply raise lid. Eggs are never taken out of X-Ray. No other incubator

Uses Only One Gallon Oil to Hatch Requires Only One Filling of Lamp

To use my X-Ray means *less* egg-handling, *less* oil, *less* heat generated, absolutely no waste, no filling of lamp during hatch, no fumes, no danger of "cooking" eggs—but an even heat *always* over the *WHOLE* egg-chamber. My X-Ray weighs $\frac{1}{4}$ to $\frac{1}{2}$ less than the old-style machines of same egg capacity. I, personally, *guarantee* it to please you—to give you the biggest and best hatches you ever had. Anyone can be successful with my X-Ray—it is so *simple*. It is neat, cleanest, most beautiful incubator made. Women everywhere, prefer it—often placing it in their houses, *it is so attractive*.

You should use the X-Ray—and get the most profitable hatches. I will send you my new 1912 Book No. 25 *absolutely free*. Write today. It is interesting. *Pay the Freight!* Remember, I *guarantee* to please *YOU* also!

Sincerely yours,
J. H. KATE, Pres.
X-Ray Incubator Company
Wayne, Neb.



Brooders Tool

this pen as the foundation for a new strain to out-lay the popular Dismukes strain. If this has been done to date we have not heard of it. Perhaps some of our Ancona readers could advise us along this line.

And the angel said unto them: Fear not, for behold, I bring you good tidings of great joy, which shall be to all people. For unto you is born this day in the city of David a Saviour, which is Christ the Lord. And this shall be a sign unto you; ye shall find the babe wrapped in swaddling clothes, lying in a manger. And suddenly there was with the angel a multitude of the heavenly host praising God, and saying, "Glory to God in the highest, and on earth peace, good will toward men."—The Bible.

PIT GAME FOWLS

While the Pit Game is really a meritorious breed and deserving of more attention than many others, their name is such a handicap that the public is prejudiced against them. What should be done and, we do not hesitate to say, will be done, is to separate those who will breed them for their fighting qualities and one for those who want to keep them for their usefulness alone. The latter could then be bred to certain requirements and be made a most useful and beautiful breed, while the former could be bred as it now is, of any color and size, with only one object in view—their ability to fight. The Games are splendid mothers. The breed could easily be improved, and made ideal in every way, if the name was changed, but so long as it is used for fighting purposes it will remain in the background—Home and Farm.

THE OUTLOOK

"The Outlook" is probably the best magazine of current news that reaches our exchange table. Every issue contains an editorial by Theodore Roosevelt on some question of public moment, and its weekly current events column is complete in every detail.

CHAS. R. HUMBER

Breeder of High-Class, Single Comb

Buff and Black Orpingtons

COLUMBUS, GA.

SOMETHING TO CROW ABOUT

"HEN-E-TA"

ABOUT 30% PURE BONE ASH

NO OTHER BONE NEEDED	NO OTHER GRIT NEEDED
NO MORE BONE CUTTERS NEEDED	NO MORE BEEF-SCRAPS NEEDED
NO MORE CHARCOAL NEEDED	NO MORE OYSTER-SHELLS NEEDED

WILL MAKE HENS LAY, CHICKS GROW, ODDER EGGS

VALUABLE BOOKLET FREE

100 lbs . .	\$2.25
500 lbs . .	9.00

Balanced Ration Formulas Free

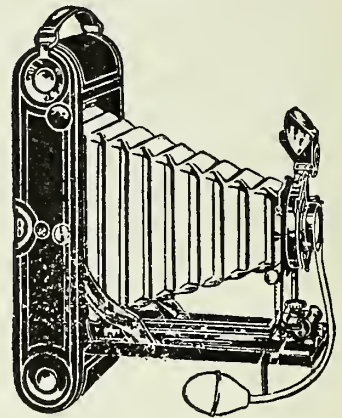
If you will give us your dealers name and address.

HEN-E-TA BONE CO.

NEWARK, N.J. DEPT. 8. FLEMINGTON, W.VA.

BLACK ORPINGTONS

Show birds and breeders. Birds shipped on approval. Best blood lines in the world. Chicks all raised on 100 acre farm. Remember—they must be right. W. O. THOMAS, Hornell, N. Y.



Make somebody happy with a

KODAK

There are Kodaks to fit most pockets at prices to fit all purses.

And there's no time when the possession of one is more appreciated than on the home day—Christmas. The children with their tree and toys, and the big folks, grown young again in the children's merriment, offer endless opportunities for the Kodaker.

Photography is both simple and inexpensive now; Kodak has made it so. Kodak cameras from \$5.00 up, and the Brownie cameras (they work like Kodaks) from \$1.00 to \$12.00, offer a wide variety. Even the little dollar Brownie makes good pictures and is so simple that a kindergarten child can work it. The \$2.00 and \$3.00 Brownies are practical little cameras, while in the Kodaks themselves, one may find that efficiency which comes in a perfectly equipped factory, where honest workmanship has become a habit.

Put "Kodak" on that Christmas List. To decide on which, Kodak or Brownie, write us for catalogue, or examine them at your dealers.

EASTMAN KODAK CO.,

430 State St., ROCHESTER, N. Y.

WHITING'S ROUPENE

Saves Poultrymen Annually \$100,000 Because it

ACTUALLY DOES CURE ROUP

Even worst cases, even DIPHTHERITIC ROUP and CANKER. We don't care how bad the case so long as the bird is not in last gasp of death. WHITING'S ROUPENE WILL CURE IT, and positively leave no bad after effects. ALL WE WANT IS THAT YOU TRY IT. Pick out a severe case, one on which you have tried other so-called remedies, and WE GUARANTEE TO CURE OR REFUND MONEY.

Whiting's Roupene is a genuine disease germ destroyer. That is the reason it takes right hold and cures without fuss or delay. That is the reason it positively prevents and cures WHITE DIARRHOEA in BABY CHICKS. It's worth its weight in gold for this purpose alone. COLDS ARE EASY FOR ROUPENE. Neglected they run into Roup. Roupene is non-poisonous.

Roupene is easy to use, even the worst case is not penned off from flock. PREVENTS CONTAGION. Don't be persuaded to try anything else when Whiting's Roupene is the only remedy that has even claimed to cure DIPHTHERITIC ROUP. Agents wanted.

50 Cents a large bottle. Ask dealers or order direct. Printed matter free.

W. M. WHITING CO.,

13 Ashland Ave.,
EAST ORANGE, NEW JERSEY

ROUPENE
WHITING'S
RELIABLE
ROUP
REMEDY



A Good Living from Poultry

The High Cost of Living Can be Reduced by the PHILO SYSTEM

1600 Eggs or 160 lbs. of Broilers can be produced in a corner of a garden, 5x6 ft. square, or on a flat roof

If we were to tell you that a family of six people could make a good living from six hens you would hardly believe it. Results that have been accomplished by the PHILO SYSTEM in the past would justify this statement. Such results could not be obtained from common poultry or common methods. But the best birds of a NEW BREED, the NEW METHOD of the PHILO SYSTEM in caring for the fowls and the new way of marketing make it possible to get even better results.

This is not theory or guess work; it is just what six hens have done in the past, and will do again when handled according to the latest methods and discoveries made by the originator of the PHILO SYSTEM.

At his poultry plant in Elmira, a net profit of \$25,000.00 from a HALF ACRE OF POULTRY has been made in twelve months where fertile eggs are produced and hatched every day in the year. From 80 to 120 pounds of the very best broilers and roasters have been raised every three months in PHILO SYSTEM coops only 3 to 6 feet in size.

Come to Elmira and we will SHOW YOU how such results are accomplished. Let us tell you

HOW YOU CAN MAKE

\$1,000, \$2,000 OR \$5,000, OR MORE

PER YEAR keeping poultry by the PHILO SYSTEM. This can be accomplished because there is no longer any guess-work about raising, keeping or selling poultry. Everything in connection with the work has been reduced to a science and any one who will follow our system can succeed.

Others are succeeding in every state and their experience and success are fully explained in our NEW BOOK entitled "MAKING POULTRY PAY." It contains ninety-six pages of carefully written and selected matter of immediate and permanent value to every poultry raiser, as well as numerous illustrations. We will mail you this book for ten cents, in money or in stamps to cover postage, just to show you some facts about the poultry business that you have probably never dreamed of.

We also have a NEW PHILO SYSTEM text book three times the size of any former edition.

340,000 PERSONS have already purchased copies of former editions of this text book and have paid \$1.00 each for every copy. The new text book tells all about how to do the work to secure such wonderful results. This book, with descriptions and appliances and a right to make and use them, will be mailed to you, postage paid for \$1.00. If ordered at once we will mail the two books, "MAKING POULTRY PAY" and the New Edition of the PHILO SYSTEM for only \$1.00.

THE POULTRY REVIEW This is a monthly publication edited by the originator of the PHILO SYSTEM and an able staff of writers made up of expert and practical poultrymen. This magazine is devoted exclusively to the idea of being immediately helpful to its readers. Every article is prepared and edited with this idea as a prevailing one. On Sept. 1, 1911, it had 105,251 paid-in-advance subscribers and is considered more valuable to the Poultryman than all other poultry papers combined. The price is only \$1.00 for one year's subscription.

SPECIAL OFFER

Our new book, "MAKING POULTRY PAY," 96 pages, 10c., new Enlarged Edition of the "PHILO SYSTEM BOOK," \$1.00. If ordered at once, we will mail the two books for \$1.00.

"THE POULTRY REVIEW," (one year), \$1.00. "MAKING POULTRY PAY," "PHILO SYSTEM BOOK," all three postpaid, for \$1.50.

E. R. PHILO, 3141 LAKE STREET, ELMIRA, N. Y.

MRS. C. M. VERTREES, CECILIAN, KY., BOX A

Wins five specials, 42 firsts, five seconds out of 58 prizes in seven shows, including Kentucky State Fair, 1911, on her Rhode Island Whites, White Wyandottes, White Orpingtons, S. C. R. I. Reds and standard fawn and white Indian Runner Ducks.

ORPINGTONS WHITE—BUFF—BLACK

BEST OF THE WORLD'S BEST BREEDS. Best of the World's Best Strains. We will have three choice pens of each of these varieties for the 1912 egg trade and will be prepared to deliver eggs for hatching any time after January 1st, at \$2.50, \$5.00 and \$10.00 per 15 eggs. Mating list will be ready Jan. 1st, and will be sent free upon request.

C. M. WILLIAMS, Route 2, Box 138, East Chattanooga Tenn.

S. C. White LEGHORNS

'THE EGG MAKERS'

We have 150 selected cockerels that we will sell at \$1 to \$10, each, while they last. Also 200 yearling hens at \$1.50 to \$3 each. Special price on lots of 50 or more. No pullets for sale. Note our winnings at Central Kentucky Fair, also State Fair.

THE NEWLAID EGG FARM : : : **Nicholasville, Kentucky**

ANNUAL CLEARING SALE of winners. **FAIRVIEW POULTRY YARDS**
S. F. SHALLCROSS, Box 12, ODESSA, DELAWARE
Breeder of the famous—

D. W. Young Strain S. C. W. LEGHORNS

offers this season's breeding males and females for sale at exceedingly low prices. Also extra early hatched cockerels and pullets, "now laying," fit to win anywhere. Also a few fine May hatched cockerels and pullets, 50 young, strong, healthy Ferrets, both sex and colors. Write your wants at once.

BARRED and WHITE PLYMOUTH ROCKS

My winnings at the Tennessee State Fair, September, 1911, where I won 1st pen in both Barred and White Rocks, besides a majority of the other prizes, in the hottest competition in the history of the South, clearly demonstrates that we have the best Rocks in the South. We guarantee perfection in everything we sell. Orders for stock and eggs solicited. Write

Sanford McFerrin, Springfield, Tenn.

FAMOUS FEEDING FORMULAS

Are graduated for all seasons. Scientific feeding for eggs and moulting demands a gradual change from winter to summer conditions, and vice versa. Complete set of Formulas with instructions sent for 25c silver.

ADDRESS

E. W. GOOD, : : **No. 20, Richmond, Indiana**

Buff Ply. Rocks, "Giant" Strain Bronze Turkeys and Indian Runner Ducks

Quality backed by years of careful breeding. Our birds are winners in our hands and customers at Louisville, Cincinnati, Chicago, Boston, Indianapolis and Atlanta. If you wish quality, combined with honorable treatment, we can fill your orders and at prices most reasonable. Stock in either variety mated, no kin, and in any number. Write for prices, etc.

J. C. CLIPP - - **Box 700, Saltillo, Ind.**

The Show Room

By **JAS B. DISMUKES**

Southern Show Dates

McKinney, Texas, Dec. 4-6.
Little Rock, Ark., Dec. 4-9.
Tupelo, Miss., Dec. 5-7.
Athens, Ga., Dec. 5-8.
Spartanburg, S. C., Dec. 5-9.
Denton, Texas, Dec. 6-8.
Hartsville, Tenn., Dec. 6-8.
Richmond, Ky., Dec. 6, 7, 8, 9.
Monroe, La., Dec. 7-9, 1911.
Morristown, Tenn., Dec. 7-9.
Fort Smith, Ark., Dec. 11-16.
Chattanooga, Tenn., Dec. 11-16.
Meridian, Miss., Dec. 11-16.
Southern International Poultry Show, Atlanta, Ga., Dec. 11-16.
East Falls Church, Va., Dec. 12-14.
Comer, Ga., Dec. 12-14.
Columbus, Ga., Dec. 12-15.
Hillsboro, Texas, Dec. 12-15.
Asheville, N. C., Dec. 12-15.
Rockingham, N. C., Dec. 13-15.
Bristol, Tenn., Dec. 13-16.
Winchester, Ky., Dec. 13-16, 1911.
Sulphur Springs, Texas, Dec. 14-15.
Gatesville, Texas, Dec. 14-16.
Shelby, N. C., Dec. 14-16.
Taylor, Texas, Dec. 14-16.
Chicago, Ill., Dec. 14-19.
Jennings, La., Dec. 18-23.
Hamilton, Texas, Dec. 18-23.
Beaumont, Texas, Dec. 18-23.
Greensboro, N. C., Dec. 19-21, 1911.
Benton, Ark., Dec. 21-23.
Winston-Salem, N. C., Dec. 27-29, 1911.
Seymour, Texas, Dec. 28-30.
Indianapolis, Ind., Jan. 2-7, 1912.
Gastonia, N. C., Jan. 5-8.
Ashland, Ky., Jan. 8-11, 1912.
Abingdon, Va., Jan. 8-11.
Bel Air, Md., Jan. 8-13, 1912.
Atlanta, Ga., (Ga. Poul. Assn.), Jan. 8-13.
Abingdon, Va., Jan. 9-12, 1912.
Boston, Mass., Jan. 9-13, 1912.
Richmond, Va., Jan. 10-13, 1912.
Henrietta, N. C., Jan. 11-13.
Monroe, N. C., Jan. 11-15.
Charlotte, N. C., Jan. 16-19, 1912.
Washington, D. C., Jan. 16-19, 1912.
Frostburg, Md., Jan. 16-20, 1912.
Jacksonville, Fla., Jan. 16-23.
Fort Wayne, Ind., Jan. 17-22, 1912.
Dallas, Texas, Jan. 18-23.
Louisville, Ky., Jan. 19-25, 1912.

BIRMINGHAM POULTRY SHOW AWARDS.

Bar Rocks—Pinson Poultry Farm, Birmingham, 1-2-3-4-5 hen; 2-3-4 pul; 1 pen. **G. F. Swoney**, Ensley, 5 ckl. **W. R. Jones**, Orrville, 4 ck; 2-3 ckl; 1-5 pul. **P. H. Horton**, Rosa, 1-2-3 ck; 2 pen. **W. P. Rocks**—Pinson, 1 ckl; 1-4-5 hen; 2 pen. **M. O. Callaway**, Eden, 1-2-3-4 ckl; 2-3 hen; 2-3-4-5 ckl; 1-2-3-4-5 pul; 1-3 pen. **Buff Rocks**—D. Alter, University of Alabama, 1 ck; 1 pul. **L. L. Moore**, Gadsden, 1-2-3-4 ckl. **Silver Wyandottes**—P. M. Long, Cordova, 1 ckl; 1-2-3-4-5 pul; 1-2-3 hen; 1 pen. **R. S. Brown**, N. Birmingham, 1-2-3 ckl; 4-5 hen; 2 pen. **Brahmas**—Mrs. E. H. Cox, Birmingham, 1 ck; 1-2-3-4 hen. **Louis Arnold**, N. Birmingham, 2 ck. **Joe Richards**, Ensley, 1-2 ckl; 1-2 pul. **Black Leghorns**—Mrs. R. S. Parke, City, 1 ck; 1-2 hen; 1-2 ckl; 1-2 pul. **S. C. W. Leghorns**—Dr. S. C. Tatum,

THE GREAT**SOUTHWEST VIRGINIA POULTRY ASSOCIATION SHOW**

ABINGDON, VA., JANUARY 9, 10, 11, 12, 1912

Judge, F. J. MARSHALL, College Park, Georgia

Liberal Cash Premiums, Loving Cups, Ribbons and Specials. Come, bring your birds and see a great show. We will give you a square deal. Ask for catalogue. Address,

M. H. SMITH, Secretary-Treas., : Abingdon, Virginia

Center, Ala., 1-2 ck; 2-3 ckl; 1-2-3 hen; 2-3 pul; 1-2-3 pen. L. G. House, Corey, 3-5 ck; 4-5 hen; 4 pul; 5 pen. Carl Buck, Brilliant, 4-5 ckl. P. W. Barcliff, Hartselle, 4 ck; 4 pen. Pinson, 1 ckl; 2 pul. **Houdans**—W. J. Root, Ensley, 1 ck; 1 ckl; 1-3-5 hen; 1-2 pul; 1 pen. Twin Oaks, Thorsby, 2-4 hen. S. C. **Rhode Island Reds**—Mrs. J. D. Lott, Woodlawn, 1 pul. J. J. Mournan, City, 4 ck. E. P. Packett, City, 5 pul. F. L. Pearson, Sylacauga, 2-5 ck; 5 ckl; 1 hen. Mrs. G. M. Tennant, Osceola, 3 pul. A. M. Pearson, Sylacauga, 3 ck; 2-3-4-5 hen; 2-4 pul; 1 pen and silver cup. Alma Poultry Farm, City, 1 ck; 2-3 ckl. **R. C. Rhode Island Reds**—C. S. Reynolds, Jr., Union, 3 ckl. J. S. Thornton, Woodlawn, 1 ckl; 2 pul. Pinson, 2 ckl; 1-3-4-5 pul; 1 pen. **Buff Orpingtons**—Lawson Co., City, 2-4-5 ck; 3 hen; 2-5 ckl; 5 pul; 2-3 pen. H. C. Henderson, Talladega, 1 ckl. Geo. Dongunson, Talladega, 2-3 pul. W. H. Puryear, Columbia, Tenn., 4 hen. J. B. Graylee, Millport, 3 ck; 4 pen. Pinson, 1 ck; 1-2-5 hen; 1-4 pul; 1 pen. F. S. Fletcher, City, 4 ckl; 5 pen. **White Orpingtons**—Russell Hunt, City, 1 ck. Mrs. J. D. Lott, 3 ck. J. J. Dunlap, Eutaw, 5 ck. J. L. Thornton, 2 ck. P. H. Kennamer, Guntersville, 2-5 ckl; 1-2 pul; 1 pen. Mrs. J. C. Semmes, Oak Crest Station, 2 hen. O. L. Chandler, Newnan, Ga., 3-4 pul. Mrs. J. H. Lane, Sylacauga, 4 hen. Pinson, 3-4 ckl; 1-3-5 hen; 2 pen. W. E. Henkell, Talladega, 1 ckl; 3 pen. **Black Orpingtons**—C. L. Huey, City, 3 ck; 3 pen. Mrs. J. C. Lamb, Oak Crest, 2 ckl. Lawson Co., 4 ck; 4 pen. E. H. Galusha, Ensley, 3-4 pul. Dr. E. P. Brown, Bessemer, 5 ck; 3-4 ckl; 5 pul; 2-5 pen. Pinson, 1-2 ck; 1-2-3-4-5 hen; 1 pen. H. H. Thornton, Talladega, 1 ckl; 1-2 pul.

TIFTON, GA., AWARDS.

The awards were placed by Judge C. O. Harwell, of Atlanta.

Largest and Best Display of Poultry—First prize, Patterson Poultry Farm, Fitzgerald; second prize, Sam Wilcox, of Ocilla; third prize, W. M. Rogers, of Ocilla. Largest and Best Display, Plymouth Rock Class—First prize, Patterson Poultry Farm; second prize, W. M. Rogers; third prize, W. Lennon, Ocilla. Largest and Best Display Rhode Island Reds—First prize, Sam Wilcox; second prize, Mrs. C. C. Ellison; third prize, Second District Agricultural School. Largest and Best Display of Leghorns—First prize, E. J. Williams, Ty Ty. Largest and Best Display of Pigeons—First prize, R. H. Johnson, Tifton; second prize, H. H. Mathews, Tifton.

Bar P. Rocks—W. Lennon, 1 ck; 2 pul. J. L. Williams, Tifton, 1 pul. E. J. Williams, 1 pen. **Partridge Rocks**—J. F. Farmer, Abbeville, 1 pen. **White Rocks**—Patterson Poultry Farm, 1-2 ck; 1-2 hen; 1 pen. W. M. Rogers, 3 hen; 1-2 ckl; 1-2 pul. T. M. Paulk, Ocilla, 2 pen. S. C. **Rhode Island Reds**—Sam Wilcox, 1-2 ck; 1-2 hen; 3 ckl; 1 pul; 3 pen. Mrs. C. C. Ellison, 3 hen; 2 ckl; 2 pul. O. J. McCrary, Thomasville, 1 ckl. J. R. Allison, Abbeville, 1 pen. S. A. Juhan, 2 pen. **Buff Orpingtons**—R. M. Bryson, Ocilla, 1 hen; 1 pul. J. L. Williams, 2 pul. Patterson, 1-2 pen. **Black Orpingtons**—J. L. Williams, 1 ckl; 1 pul. **White Orpingtons**—J. J. Flanders, Ocilla, 1 hen; 1 pul. J. R. Allison, 1 pen. S. C. **Buff Leghorns**—J. S. Davis, Fitzgerald, 1 ck. S. C. **White Leghorns**—E. J. Williams, 1 ck; 1 pul. L. E. Williams, 2 ck. W. Lennon, 1 hen; 1 pen. E. E. Youmans, Tifton, 1 ckl; 2 pul. S. C. **Brown Leghorns**—E. J. Williams, 1 ckl; 1 pul. L. J. Y. Willis, Brookfield, 1 ckl. **Black Minorcas**—H. H. Britt, Tifton, 1 pen. **I. R. Ducks**—I. L. Rousseau, Tifton, 1 pair. A. West, Ty Ty, 2 pair; S. A. E. Williams, 2 ckl. **Black Langshans**—Juhan, 1 trio; B. W. Stone, 2 trio.



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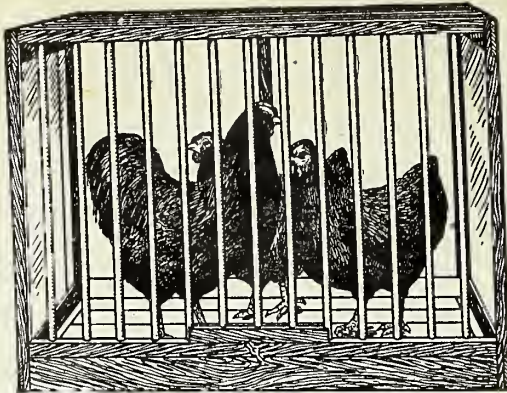
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Wirst, Cold Springs, 5 ckl. **Partridge Rocks**—White & Smithers, Nicholasville, 1-2-3 cock, 1-2-3-4 hen; Hartman Stock Farm, 5 hen. **Buff Rocks**—White & Smithers, Nicholasville, 1-5 cock, 3 hen, 5 ckl, 2 pul; H. D. Burton, Nicholasville, 2-4 cock, 2-5 hen, 2-4 ckl, 3-4-5 pul; Thos. W. Atkinson, Harrodsburg, 3-5 cock, 3ckl; Hartman Stock Farm, 1-4 hen, 1 ckl, 1 pul. **Silver Wyandottes**—R. E. Cunningham, Bondville, 1-2 cock, 1-3 hen, 4-5 ckl, 1-2-3 pul; Miss Mary Graham Jones, North Middletown, 2-4 hen, 1-2 ckl, 4-5 pul; Ed. Sauer, Clifton Heights, 3 ckl. **Golden Wyandottes**—Wm. Wirst, Cold Springs, all awards. **Partridge Wyandottes**—Jas. McLaughlin, New Albany, Ind., all awards. **White Wyandottes**—Hartman Stock Farm, Columbus, Ohio, 1-5 cock, 4 hen, 1-2 ckl, 1-4 pul; T. C. Willis, Nicholasville, 2-4 cock, 1 hen, 2-3 pul; Lewis Duetsch, Louisville, 3 cock, 5 hen, 3 ckl; Miss Mary Graham Jones, N. Middletown, 2 hen; Mrs. Thos. Saunders, Okolona, 3-5 hen; Ed. Sauer, Clifton Heights, 5 ckl, 5 pul; Mrs. S. H. Vertrees, Nolan, 4 ckl. **Buff Wyandottes**—Wm. Wirst, Cold Springs, 1 cock, 3-4 hen; Power & Cablish, Maysville, 2-5 cock, 5 hen; Hartman Stock Farm, 3-4 cock, 1-2 hen, 3-4 ckl, 2 pul; White & Smithers, Nicholasville, 1-2-3 ckl, 1-3-5 pul; Ed. Sauer, Clifton Heights, 4 pul. **Columbian Wyandottes**—G. J. Reibert, Louisville, 2 cock, 2-4-5 hen, 1 ckl, 1 pul; Chas. H. Struss, Louisville, 3 cock, 1 hen, 2 ckl, 2-3-4-5 pul; Hartman Stock Farm, 1 cock, 3 hen. **Black Langshans**—R. E. Cunningham, Bondville, 1-4 cock, 4 hen, 4-5 ckl, 4 pul; M. Viley Offutt, Georgetown, 2-3 cock, 1 hen, 1 ckl, 2 pul; J. C. Schoeffel, St. Matthews, 2-3-5 hen, 2-3 ckl, 1-3-5 pul. **White Langshans**—White & Smithers, Nicholasville, 1-2 cock, 1-2-3-4 hen, 2-3 ckl, 2-3 pul; J. C. Schoeffel, St. Matthews, 4 pul; Hartman Stock Farm, 1 ckl, 1 pul. **Buff Orpingtons**—H. S. Bush, Lexington, 1 cock, 4-5 hen; Dixie Poultry Farm, Louisville, 2 cock, 1-2-3 hen, 1 ckl, 1 pul; J. Lum Abell, Lebanon, 5 cock; J. D. Bell, Paris, 3 cock; Hugh S. Thomas, Georgetown, 4 cock; 4-5 ckl, 3-4 pul; R. D. Brooks, Graham, 2 ckl, 2-5 pul; M. L. Walker, Louisville, 3 ckl. **White Orpingtons**—E. B. Rogers, Cincinnati, Ohio, 1-4 cock, 1-3 hen, 2-3 ckl, 1 pul; Dixie Poultry Farm, Louisville, 2-3 cock, 2-4-5 hen, 1 ckl, 2-4 pul; Hal-Ee Poultry Yards, Louisville, 5 cock, 4 ckl, 2-4 pul; Carter Stott, Petersburg, 5 ckl; M. V. Riney, Louisville, 3 pul. **Blue Andalusians**—Hartman Stock Farm, 1 cock, 1-2 hen, 1-2 ckl, 1-2 pul; S. H. Brooks, Salem, Ind., 2 cock, 3-4 hen, 3-4 ckl, 3-4 pul. **S. C. White Leghorns**—Hartman Stock Farm, 1 cock, 2 ckl, 2 pul; W. E. Gabhart, Bohon, 2-3 cock; White & Smithers, Nicholasville, 4 cock; Wm. Wirsch, Cold Springs, 5 cock, 1 hen, 4-5 ckl, 3 pul; New Laid Egg Farm, Nicholasville, 2-5 hen; Berneda Poultry Yards, Louisville, 4 hen; White House Poultry Farm, Buechel, 1-3 ckl, 1-4 pul; Langs Poultry Farm, Buechel, 5 pul. **S. C. Brown Leghorns**—Bonnycastle Poultry Yards, Louisville, 1-2 cock, 1-2-3-4 hen, 2-3-4 ckl, 1-2-3 pul; Dr. J. W. Heim, Louisville, 1 ckl, 4-5 pul; Karl Simpson Park, Richmond, 5 ckl. **S. C. Buff Leghorns**—White & Smithers, Nicholasville, 1-2 cock, 1-2 hen, 1-2 ckl, 1-2-3-5 pul; Al W. Butler, Louisville, 4 pul. **S. C. Black Minorcas**—Bonnycastle Poultry Yards, Louisville, 1-2 cock, 1-2-3-5 hen, 1-3-4 ckl, 1-2-3-5 pul; Leslie V. Jacobs, Wilmore, 3-4 cock, 4 hen, 5 ckl; Thos. W. Atkinson, Harrodsburg, 5 cock; Theo. Schneider, Louisville, 2 ckl, 4 pul. **White Minorcas**—Albert C. Weber, Louisville, all awards. **S. C. Rhode Island Reds**—Dr. Jno. B. Richardson, Louisville, 1-4 cock, 5 pul; Red Feather Poultry Farm, Norwood, Ohio, 2 cock, 1 hen, 3 ckl; Phil T. German, 3-5 cock; E. C. Clelland, Winchester, 2 hen, 3-4 pul; Harris Lehman, Midway, 4-5 hen, 4 ckl; W. S. Moore, Louisville, 3 hen, 1-5 ckl; J. C. Crutcher, Webster, 2 ckl, 2 pul; Peyrat & Roy, Jeffersonville, Ind., 1 pul. **R. C. Rhode Island Reds**—H. C. Moeller, Louisville, 1 cock, 2 ckl, 2-4 pul; W. H. Wilson, St. Matthews, 5 cock, 2 hen, 3-4 ckl; D. D. Poultry Yards, Louisville, 3 hen; Peyrat & Roy, Jeffersonville, Ind., 2-4 cock, 1 hen, 5 ckl; Hartman Stock Farm, 3 cock, 4 hen; Wm. Wirsch, Cold Springs, 5 hen; C. C. Loomis, St. Matthews, 1 ckl, 3-5

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pullet; Henry G. Saam, Louisville, 1 pul. Rhode Island Whites—Mrs. C. M. Vertrees, Cecelian, 1-3 cock, 1-2-3-4 hen; Mrs. Ernest Cook, Cecelian, 2-4-5 cock, 5 hen. Silver Campines—C. A. Duncan, Paris, 1 cock, 1 hen; Miss Annie H. Tribble, Danville, 2 cock, 2 hen. Mottled Anconas—Conrad Kurtz, Cecelian, 1-3 cock, 1-2-4-5 hen; T. J. Ballard, Lawrenceburg, 2d cock, 3d hen; Hartman Stock Farm, 4-5 cock. Pit Games—Walter Clelland, Harrodsburg, all awards. Cornish Games—Hartman Stock Farm, 1-2 cock, 1-2 hen, 1-2 ckl, 1-2 pul; C. G. Walker, Louisville, 3 cock, 5 hen, 3-4 ckl, 3-4-5 pul; Frank R. Willis, Louisville, 4 cock, 3-4 hen. Polish—William Wirsch, Cold Springs, all awards. Houdans—Hartman Stock Farm, 1-2 cock, 1-2 hen; Mrs. Mary Dermody, Louisville, 3-4 cock, 3-4 hen. Pekin Ducks—Mrs. B. F. Jackson, Eminence, 1-2-3-4-5 drake, 1-2-3-4 duck; J. L. Pound, Clark, 5 duck. Rouen Ducks—J. L. Pound, Clark, all awards. Indian Runner Ducks—W. H. Wilson, St. Matthews, 1 drake, 2 duck; Mrs. C. M. Vertrees, Cecelian, 2 drake, 1 duck; Mrs. Ernest Cook, Cecelian, 3-4 drake; S. L. Rhea, Fisherville, 3 drake; Jno. Binder, Louisville, 4-5 duck. Wild Mallard Ducks—C. C. Loomis, St. Matthews, 1-2-3 drake, 1-2-3 duck; Bennet H. Young, Louisville, 4-5 drake, 4-5 duck. Bronze Turkeys—J. Kelley Lawrence, Shelbyville, 1-2 tom, 3-4 hen; Mrs. J. D. Cox, Lawrenceburg, 3 tom, 3 hen; Wainright Lea, Brooksville, 4-5 tom, 5 hen. White Holland Turkeys—Wm. P. Sullivan, Bloomfield, 1-4 tom, 2 hen; W. H. Wilson, St. Matthews, 3 tom; Wainright Lea, Brooksville, 2-4 tom, 1-3-4-5 hen. R. C. Black Minorcas—Dr. E. C. Underwood, Louisville, all awards. Black Orpingtons—W. O. Brown & Son, Louisville, 3-4-5 hen; balance to Dixie Poultry Farm, Louisville. Jubilee Orpingtons—Dixie Poultry Farm, Louisville, all awards.

MONTGOMERY, ALABAMA

White Wyandottes—R. L. Todd, Montgomery, 1-2 c., 2 cock, 1 hen, 1-2 pul, 1 pen; J. G. Gorrie, Montgomery, 1 cock, 2 hen, 2 pen. Partridge Wyandottes—P. J. Barberee, Union Springs, all awards. Silver Wyandottes—B. H. Whittington, Greenville, all awards. Columbian Wyandottes—J. G. Barberee, Union Springs, 1 cock; T. P. Maddox, Union Springs, 1 pul, 1-2 pen. Indian Runner Ducks—R. C. Branscomb, Union Springs, all awards. White Holland Turkeys—Mrs. R. M. Alexander, Prattville, all awards. White Rocks—J. P. Patterson, Montgomery, 1-2 cock, 1-2 hen, 1-2 pen, 1-2 ckl; J. H. Downing, Montgomery, 1 pul. Buff Rocks—R. C. Branscomb, Union Springs, all awards. Barred Rocks—Taylor & Faulkenberg, Montgomery, 1-2 cock, 1-2 hen, 1 ckl, 2 pul, 1-2 pen; T. W. Jones, Orrville, 2 ckl, 1 pul. Rhode Island Reds—A. M. Pearson, Sylacauga, 1 cock, 1 ckl; F. B. Neeley, Montgomery, 2 cock; Quality Poultry Yards, Ft. Deposit, 1 hen, 2 pen; Mrs. P. T. Calloway, Washington, Ga., 2 hen; D. F. Crenshaw, Bainbridge, Ga., 1 pul; Forbes Poultry Yards, New Decatur, 2 ckl, 2 pul.

Games, any variety—Richard Stickney, Montgomery, 1 cock; J. H. Cromelin, Wetumpka, 2 cock, 2 pul, 2 pen; Mrs. J. R. McNair, Ozark, 1 hen, 2 ckl, 1 pul; G. M. Williams, Montgomery, 1 pen. Brown Leghorns—Forbes Poultry Yards, New Decatur, all awards. W. Leghorns—Cherokee White Leghorn Farm, Center, 1 cock, 1 hen, 1 pen; Robert West, Montgomery, 2 cock, 2 hen, 1 ckl, 1-2 pul, 2 pen. Black Minorcas—Mrs. J. R. McNair, Ozark, 1-2 cock, 1 hen, 1 ckl, 1 pul, 1 pen; Eugene Barrett, Montgomery, 2 ckl; Miss Ellen Lee, 2 pul. Buff Orpingtons—W. H. Taylor, Montgomery, 1-2 cock, 1-2 hen, 1 pen; J. D. Davis, Montgomery, 1-2 ckl, 1-2 pul. White Orpingtons—G. M. Williams, Montgomery, 1-2 cock; D. H. Reeves, 1 hen, 2 pen; J. Bruce Airey, Ft. Deposit, 1-2 ckl, 2 hen, 1-2 pul, 1 pen. Black Orpingtons—J. H. Downing, Montgomery, 1 cock, 2 hen, 1-2 ckl, 1-2 pul; G. M. Williams, Montgomery, 2 cock, 1 hen, 1 pen. Buckeyes—J. L. Reynolds, N. Augusta, S. C., all awards.

AUGUSTA, GEORGIA

Barred Rocks—G. E. Guvenator, 2 cock; L. H. Reid, 2-5 ckl, 3 hen, 5 pul, 2-5 pen; George J. Verdery, 5 cock; John F. West, 3 cock, 4 hen, 3 pen; B. Frank Kelly, 3 ckl, 1 pul; J. E. Kohn, 4 cock; Julian McCamy, 1-4 ckl, 1-2-5 hen, 2-3-4 pul, 1 pen; Belmont Farm, 1 cock, 4 pen. White Rocks—J. P. Patterson, 2 cock, 4 ckl, 2 hen, 3-5 pul, 1-4 pen; John G. Wilson, 4 cock; L. G. White, 1 pul; Geo. E. Guvenator, 5 cock; H. M. Wall, 3 cock, 5 ckl, 1 hen; F. J. Cole, 1 cock, 3-5 hen, 2 pen; J. Willie Levy, 1-3 ckl, 4 hen, 2-4 pul, 3 pen. Buff Rocks—McAvoo Poultry Yards, 4 ckl, 4 pen; J. G. Ashe, 1-2 cock, 1-3 ckl, 2-3 hen,

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S. C. White Leghorns—B. B. Meador, Meridian, 1 pen, 1 ckl; Zillerville Poultry Farm, Meridian, 2 pen, 1-3 cock; C. L. Molpus, Meridian, 3 pen, 3 ckl, 3 hen, 3 pul; Meridian Woman's College, 2 cock, 2 ckl, 1-2 hen, 2 pul. *White Wyandottes*—J. S. Sinclair, Meridian, 1 cock, 1-2 hen, 1-3 pul, 2 pen; W. F. Lagrone, West Point, 2 cock; C. H. Volking, Quitman, 1 ckl; H. E. Montgomery, Meridian, 2 ckl; W. H. Owens, Meridian, 3 ckl, 1 pen; H. A. Covington, Quitman, 2 pul; Wm. H. English, Meridian, 3 pen. *S. C. Rhode Island Reds*—R. G. Ennis, Livingston, Ala., 1 pen; J. A. Covington, Meridian, 2 pen, 2 ckl, 2 hen, 1 pul; H. J. Broach, Jr., Meridian, 3 pen, 2 cock; Mrs. J. M. McBeath, Meridian, 1 cock; E. W. Trautman, Gulfport, Miss., 1 ckl, 1 hen, 2 pul; Mrs. R. K. Gough, Meridian, 3 ckl, 3 hen, 3 pul. *Buff Orpingtons*—L. W. Barker, Meridian, 1 pen, 2 ckl, 3 pul; C. B. Moody, Meridian, 2 pen, 1-3 ckl, 1 pul; Miss Grace Hart, Meridian, 3 pen; J. M. Harwell, Meridian, 1-3 hen, 2 pul; J. M. Moody, Meridian, 2 hen; A. D. Hunter, Meridian, 1 pen, 1 ckl, 2 pul; Mrs. W. E. Ramsey, Sandersville, Miss., 2 pen; J. B. Enzor, Enzor, Miss., 3 pen, 1 cock, 2-3 hen, 3 ckl, 1 pul; W. E. White, Meridian, 2 cock; H. T. Bailey, Meridian, 2 ckl, 3 pul. *White Orpingtons*—Meridian Woman's College, 2 cock, 1 ckl, 1-2-3 hen, 1-2-3 pul; W. F. Lagrone, West Point, Miss., 2 ckl; V. W. Moss, Meridian, 3 ckl. *Black Orpingtons*—W. H. Owens, Meridian, 1 pen; Meridian Woman's College, 1 cock, 1 ckl, 1-2-3 hen, 1-2-3 pul; L. W. Barker, Meridian, 2 ckl; Mrs. R. K. Gough, Meridian, 3 ckl. *Cornish Indian Games*—H. W. Harris, Meridian, all awards. *Rhode Island Whites*—H. A. Covington, Quitman, Miss., all awards. *Black Minorcas*—E. Callo-

way, Oakland, Miss., 1 cock, 2 ckl, 1 pen, 1 hen; R. G. Brown, Meridian, 2 cock, 2 hen, 1 pul. *Brown Leghorns*—C. B. Moody, Meridian, all awards. *Mottled Anconas*—Mrs. N. J. Dupree, Mayhew, 1 pen, 3 ckl; Mrs. Mackie Connell, Mayhew, Miss., 2 pen, 2 ckl, 3 pul; W. D. Moffet, Middleton, Miss., 1 cock, 1 hen; H. A. Covington, Quitman, Miss., 1 ckl, 1 pul; W. F. Lagrone, 2 pul. *White Rocks*—H. A. Covington, Quitman, Miss., all awards. *Houdans*—Christene Fallon, Meridian, 1 cock, 3 hen; Tom Lyle, Meridian, 2 cock, 1-2 hen. *Hamburges*—H. A. Covington, Quitman, 1 pen, 3 pul; C. H. Volking, Quitman, 2 pen, 1 ckl; Owen Harges, Quitman, 3 pen; Mrs. R. K. Gough, Meridian, 2 cock, 1-2 pul, 1-2 hen. *Silver Wyandottes*—H. B. Burwell, Meridian, all awards. *Penciled Wyandottes*—H. B. Burwell, all awards. *Columbian Wyandottes*—Mrs. H. B. Burwell, 1 pen. *Partridge Wyandottes*—Mrs. H. B. Burwell, 1 pen. *Buff Wyandottes*—H. B. Burwell, all awards. *Light Brahmas*—W. R. & R. L. Andrews, Union City, Tenn., all awards. *Black Langshans*—W. R. & R. L. Andrews, all awards. *Blue Andalusians*—W. R. & R. L. Andrews, all awards. *Pekin Ducks*—Geo. C. Hoganboom, Basic City, Miss., all awards. *Indian Runner Ducks*—Prizes divided between Meridian Woman's College and Zillerville Poultry Farm, of Meridian.

Trip Through the East

Just as our forms close, the editor of this department leaves on an extended trip through the East. He will be away about a month and will visit the New Haven show, Crystal Palace at New York, Philadelphia, Patterson and Trenton, N. J., Reading Pa., Madison Square and other shows. He will make these shows in the interest of this publication.

Smithville, Ga.

The Southeastern Poultry Association will hold its annual show at Smithville, Ga., Dec. 27-29. P. A. Mason, secretary.

Asheville, N. C.

The fifth annual show of the Asheville Poultry and Pet Stock Association will be held on Dec. 12 to 15, and indications point to the biggest show in their history. The National Partridge Wyandotte Club and the National S. C. White Leghorn Club will each hold their state meetings at this show, and will offer their state cups there in addition to special ribbons. Silver cups will also be offered by The Industrious Hen, The Reliable Poultry Journal and Poultry Culture. A large number of special prizes of practical value serve to make the

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and disinfecting with the new
"Kant-Klog" Sprayer
gives twice the results with same labor and fluid. Also for spraying trees, vines, vegetables, etc. Agents Wanted. Booklet free. Address
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500 Regular and Special Premiums, including many Silver Cups. Compare this record with other breeders before placing your order for stock.
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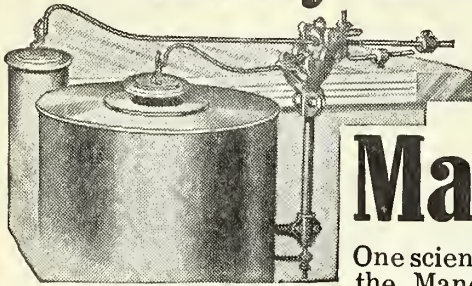
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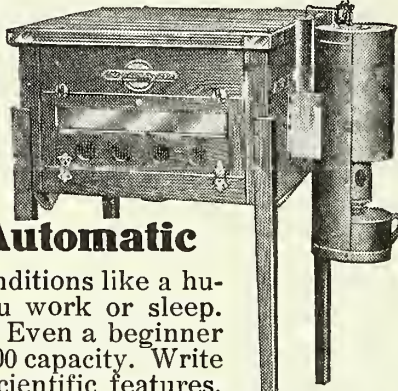
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premium list attractive to breeders of all varieties. The show will be judged under the comparison system by Judge F. J. Marshall, who is admitted to be one of the ablest and fairest judges in the United States. Competent superintendents and feeders have been selected and all birds will have the most careful attention. A large number of the entries at the Morristown and Spartanburg shows will be sent to Asheville, as that show immediately follows the two named. J. W. Jacokes is president of the association and Paul P. Brown is secretary and treasurer.

Louisville, Ky.

The Louisville show will be held Jan. 22-27, 1912, and the officers are arranging to pull off the biggest show west of the great Madison Square Garden show. They will offer fifty silver cups and 250 other valuable specials besides the usual cash premiums. The show will be held in the Armory and will be cooped by a uniform cooping company. The judges are S. B. Lane and Theo Hewes.

Hattiesburg, Miss.

The South Mississippi Poultry Association has been organized at Hattiesburg, and will hold their first show Dec. 7-9.

Maryville, Tenn.

The Blount County Poultry Association will hold their second annual show some time in January. The executive committee, composed of A. J. Coleman, W. J. Huffstetler, Jno. A. Everett, J. A. Phelps and J. W. Davis, will make all arrangements for the show. At the last meeting of the Association there was a great deal of interest shown, new members were received and everything points to a bigger and better show than ever before. The association voted unanimously to apply for membership in the American Poultry Association. Hugh M. Clark, secretary.

Norfolk, Va.

The Virginia Poultry Association and the Tidewater Poultry Association will hold a combined show at Norfolk, Va., Dec. 12-16. Judges—Theo. Wittman, Rowland Story and F. A. Rommell. The secretary and superintendent is Geo. E. Guvernator, Barton Heights, Richmond, Va.

Show Called Off

On account of being unable to secure a suitable building in which to hold their exhibit, the poultry show at Johnson City, Tenn., has been called off. Even a tent could not be secured.

Chattanooga, Tenn.

Matters pertaining to the Chattanooga Poultry Show, to be held in that city Dec. 11-16, are gradually getting in shape, and everything is about complete for the biggest show in the history of the association. Inquiries received by the secretary indicates that there will be upwards of 2,000 birds, which will include nearly every known variety. Many men prominent in the poultry world will be in attendance at the show. Among those who have signified this intention are Secretary S. T. Campbell, of

White WYANDOTTES

We offer you eggs from the best matings ever put together; line-bred breeding stock of the greatest producing merit and properly mated to produce winners for you. First pen at the Tennessee State Fair in the strongest competition ever seen in the South. Get our printed matter and study it. Our entire effort is devoted to gain your trade, to give you absolute satisfaction and to make you a permanent customer. Stock and eggs for sale.

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BREEDS BARRED PLYMOUTH ROCKS

That won every Ribbon offered for Cockerels at Blue Grass Fair 1910, at Appalachian Exposition 1910, and Kentucky State Poultry Show 1911, and the lion's share of all other Ribbons on Barred Plymouth Rocks, including Cups, Specials, etc.

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Don't be "Too Late!" You have seen your chickens moping, sneezing, coughing, eyes watering and heads swollen. You have seen them fight for breath and die. That's ROUP. It's humane to relieve them. It's dollars saved to cure them.

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Bottom wires 1 inch apart.
Will not sag or bag. Requires no boards--top or bottom--and fewer posts. Costs less than netting. We pay freight. Send for Catalog.
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the American Poultry Association; L. B. Audigier, vice-president of the American Poultry Association, editor The Industrious Hen, Knoxville; Jno. A. Murkin, editor of Southern Poultry Magazine, Nashville, and others.

Searcy, Ark.

The White County Poultry Association has been organized at Searcy, Ark., with some fifteen members. W. H. Abingdon, of Beebe, was elected president; W. F. Kilman, of Bald Knob, secretary, and J. W. Peebles, of Searcy, treasurer. The object of this association will be to boost for that which is the best in poultry raising.

Muskogee, Okla.

The Muskogee Poultry Association and the Oklahoma Branch of the American Poultry Association will hold their annual show in Muskogee, January 8-13, 1912. Geo. H. Hinds, of Westville, Okla., vice-president Oklahoma Branch, and member of Oklahoma Board of Agriculture, will be superintendent. C. R. Binding, secretary and treasurer.

Fire at Charlotte, N. C.

The fire which destroyed the poultry building of the Mecklenburg Fair Association did not burn any exhibits. It occurred on Friday night before the fair opened on Tuesday morning, hence no fowls had been placed in the building. The only damage done to the poultry department was the burning of the coops, which amounted to several hundred dollars. Despite this fact, the poultry exhibit was one of the most creditable in the history of the fair. Over six hundred entries were made, and the quality was above "par." One of the finest pens of Rhode Island Reds ever exhibited in the South was there, besides a White Leghorn cockerel worthy to win a blue at Madison Square, and many other fine specimens. Water fowl display and turkey exhibit best ever shown. Owing to the fire a large tent was acquired, which made the exhibits "look good," and everybody was pleased to know that the Association did not let a little thing like a fire which burned the coops, prevent the association from holding a creditable show. Messrs J. K. A. Alexander and E. G. Wardin deserve special mention for their hard work in raising from the ashes in thirty-six hours a display of poultry worthy to be shown anywhere.

Black Orpington Club

The National Club meet of the Black Orpington Club will be held at Little Rock, Ark., Dec. 4-9, inclusive. About ten cups will be offered and equal number of gold medals, besides the cash specials and all other regular prizes, including share of the \$2,000.00 premiums and \$1,200.00 in cash, and cup specials which are open to Black Orpingtons as well as other varieties. It is hoped that every member who can be present will do so. James V. Johnson is secretary of the show. The Orpingtons will be judged by Milton W. Brown of Cincinnati. It is hoped that all members will enter this show if at all possible.

Brown Leghorn Club

The report of the election held by

Sam Thompson's Big 1912 Incubator Offer.

Fairest and Squarest Offer Ever Made

Last year I surprised everybody by guaranteeing my incubator to hatch 90% or better. It made other manufacturers take notice. No one believed an incubator could be built to make good on such a guarantee. This year I repeat the offer because the Fairfield made good.

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Let me tell you more about this wonderful incubator. Let me send you full particulars about my 90% hatch guarantee and 2 hatch trial offer.

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If you want the best in this breed, you had better see my catalogue before buying. I have furnished winners for shows in nearly every state in the union.

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One Hundred Breed-
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EGGS will be sold at
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FIFTH ANNUAL EXHIBITION OF THE ASHEVILLE POULTRY AND PET STOCK ASSOCIATION

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Sixteen Silver Cups, including State Cups of Rhode Island Red Club of America, National S. C. White Leghorn Club and National Partridge Wyandotte Club. **F. J. MARSHALL**, College Park, Ga., Judge.

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At the Great Appalachian Exposition Show, Knoxville, won first pen on both Rose and Single Combs, special for best pen from Georgia, all breeds competing, and special from Rhode Island Red Club for best pens, both combs. Also best sweepstakes pen at Tennessee State Fair, all breeds competing. A limited number of eggs. Write for prices.

BARRETT PHINIZY : : Athens, Georgia

S. C. White LEGHORNS—S. C. Rhode Island REDS

My winnings at the Tri-State Fair, Memphis, September, 1911, 1st and 3rd Cockerel and 3rd pen on White Leghorns; 2nd Cockerel and 5th pen on Reds. I have a fine lot of show birds and good breeders for sale; eggs in season. Guarantee satisfaction. Write for prices.

VANN'S POULTRY FARM,

Route 1, Jackson, Tenn.

the American S. C. Brown Leghorn Club has been given out, and Chicago gets the meeting place. The Club will meet in connection with the Chicago show, and it offers many big cash prizes and silver cups for the competition of its members. Atlanta, Ga., came within seven votes of securing the meet, and it is hoped that the club will come South next year.

American Campine Club

The American Campine Club will hold a meeting at Madison Square Garden, New York Show, Thursday, Dec. 21. At that time a permanent organization will be perfected, officers elected, etc. It is expected that the Rev. E. Lewis Jones, secretary of the Campine Club of Great Britain, will be present.

Buff Leghorn Club

The annual meeting of the Buff Leghorn Club will be held Friday at the Chicago show, Coliseum, at which time many questions of interest to the breed and club will be taken up. All requested to be present. The question of a new catalogue and the election of officers will come before this meeting.

ANOTHER READER BURIES HATCHET.

Dear Editor: "I notice Mrs. Heron's remarks in your recent issue and if it will help others you may say I have used Walker's Roup and Cholera Remedy for four years. I used to have lots of trouble with roup until I found this remedy. I have cured cases with it that were frightful, but I don't have any trouble any more; I give it right along as a preventive. If my birds catch cold or are exposed, I give a little in the drinking water and it stops it right away. I use it also for bowel trouble in little chicks—it's the best thing I ever saw. It makes them grow stronger and feather quicker." Readers can get it by sending 50c (m. o.) to the Walker Remedy Co., Dept. F3, Lamoni, Iowa. Mrs. Lou Horner, Davis City, Iowa.



How to Make Money
Raising Poultry

Fac-simile of Cover Page

Wealth in Poultry

300 page book shows you. Illustrated. Teaches how to raise for profit. 200 vital subjects indexed. 20 disease cures. Book is worth \$5, mailed for 50c; or with "Industrious Hen" 1 year for 75c. Money returned if not satisfied. Circular and sample of "Industrious Hen," leading Southern poultry journal, FREE. **INDUSTRIOUS HEN CO. KNOXVILLE, TENN.**

Fried Chicken

I didn't kill them, they were too nice; they have grown to be fine, large 'cherry red'

Cockerels Now

I have too many—going to sell a few at your price, if I can't get mine. \$3.00 each, or two for \$5.00. Money back if not satisfactory—Better order today.

J. H. HENDERSON, Knoxville, Tenn.

Breeder of Brown Leghorns Since 1890



LAMBERT'S DEATH TO LICE

insures clean fowls—large profits. Absolutely safe, sure and quick in results. If not at your dealer's, send 10 cents for sample of powder for hens, or of ointment for head lice on little chicks. Valuable booklet, "Eggs and How To Get Them" for 2c stamp.
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Make early selections and avoid the December rush!

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My illustrated book and Orpington Magazine 1 year for 25c. Sale bulletin free.

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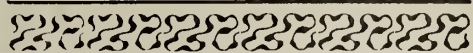
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POULTRY FARM FOR SALE

Three miles from Knoxville, one mile from car line, on pike, 10 acres good strong land—about one acre in timber; splendid building site.

L. B. AUDIGIER, Knoxville, Tenn.

Strictly Personal



On Rose Comb Rhode Island Reds at the recent Augusta show, the Monte Sano Poultry Yards, of Augusta, won first and second pullet and fifth cockerel, and this was a big show, especially in Reds.

Peyrat & Roy, of Jeffersonville, Ind., have won against strong competition in three recent shows, including Kentucky State Fair, ten firsts, seven seconds, besides many thirds, specials, etc. They are breeders of Quality Rose Comb Rhode Island Reds.

The winnings of Barrett Phinzy, of Athens, Ga., at the recent Appalachian Exposition show, where he won first pen in Single Comb Reds in a class of seventeen pens, and also first pen in Rose Comb Reds places him, although a new man in the business, among the first breeders of this variety in the South. He also won in addition to the above first pen from the State of Georgia, in which all breeds from that state competed.

At the recent Tri-State Fair at Memphis, the Wonderland Poultry Farms, John Low Smith, Prop., 241 Peters St., Atlanta, Ga., won grand sweepstakes prize, all varieties competing, best display Buff Plymouth Rocks, best display bantams, and fifteen out of a possible seventeen blue ribbons. At the Georgia State Fair in hot competition, this farm won eleven out of a possible twelve firsts.

Mrs. E. K. Lumpkin, of Athens, Ga., made some very creditable winnings at the recent Appalachian Exposition and the Georgia State Fair. She has not been breeding Orpingtons very long, but at that time has made some of the older heads "set up and take notice."

Dismukes & Arrington, of Castalian Springs, Tenn., have issued from the press of The Industrious Hen one of the handsomest catalogs ever gotten out by an Ancona breeder. It is printed in orange and black on india tint enamel paper, is illustrated, gives the origin, history and description of

If you want to Rear Blue Ribbon Winners, feed them on

SPRATT'S POULTRY FOOD No. 3

—and—

SPRATT'S CHICGRAIN

"Poultry Culture" sent on receipt of10c
"Pheasant Culture" sent on receipt of25c
Both these books together with "Dog Culture" sent on receipt of35c

SPRATT'S PATENT, Ltd.
Factory and Chief Offices, Newark, N. J.

Depots at San Francisco, Cal.; St. Louis, Mo.; Cleveland, O.; Boston, Mass.; Res. Supt. at Chicago, Ill. Factories also in London, England, and Berlin, Germany.

Anconas, and should be in the hands of every prospective breeder of this variety. In a class of 125 birds at the Tennessee State Fair and the Appalachian Exposition this fall, this firm won seven out of ten firsts, nine out of ten seconds and six out of eight third prizes competed for.

The Doctor Holloway Strain of S. C. White Leghorns, the foundation of which came from the Wyckoff "world's greatest strain," and the D. W. Young, "acknowledged the world over to be the greatest laying and exhibition strain," has been winning prizes right along at the leading Northern shows. These Leghorns are white, and a pretty sight, and if you want the best, don't fail to write Galesburg Fancy Poultry Plant, Galesburg, Ill. They have hundreds of yearling hens, cocks and cockerels for sale.

Mrs. L. A. Ligon, of Carthage, Tenn., owner of Beech Grove Poultry Farm, has been elected State secretary of the National White Wyandotte

COCKERELS

S. C. BROWN LEGHORNS

\$2 to \$5. Either pullet breeders or standard colored males. If not satisfactory, cash is returned.

H. C. ADAMS : Lynchburg, Va.

Guaranteed Bracelet FREE!



A rich piece of jewelry, rolled gold plate, beautiful and artistic, worn by all up-to-date women and girls. Will fit any size arm. Send no money. Just send your name and address today on a postal, say you want an Adjust-

Bracelet free, and we will send you our great combination offer and 8 packages of beautiful post cards for 8 of your friends. An extra prize for promptness. Write us today.
H. L. SIMMONS 304 Factory St., Springfield, Ohio

S. C. Buff Orpingtons

First prize winners at Appalachian Exposition Poultry Show, 1911. Also winners of special club ribbons.

STOCK AND EGGS FOR SALE

CEDARVILLE FARM POULTRY YARDS

Mrs. W. H. Aston, Prop. and Breeder.

Meadow View, Va.

S. C. W. LEGHORNS (Young's Strain) S. C. RHODE ISLAND REDS

25 Leghorn and 86 Red hens, several hundred pullets of both varieties. Write for prices. MRS. SLAUGHTER DOWNER, Guthrie, Ky.

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WHITE PLYMOUTH ROCKS

Grand Bargains in both old and young stock at Moderate Prices. Must be sold to make room for young stock. Silver Cup winners for sale at a bargain. Send in your name today for this money-saving Special Sale List.

LYNN C. TOWNSEND

Weedsport : : New York

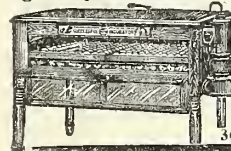
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I'll Start You and Keep You Going Right in the POULTRY Business

My World-famous high-quality incubators and brooders, and my Free Poultry Lessons make success easy and sure for you!

SUCCESSFUL INCUBATORS AND BROODERS

are made right and with the free advice and lessons I give my customers no one can possibly fail to make biggest hatches of strongest chicks. Write me. A postal brings all facts, book, prices and proposition. "Proper Care and Feeding of Chicks, Ducks and Turkeys" sent for 10c. J. S. Gilcrest, Pres. Des Moines Incubator Co. 364 Second St., Des Moines, Iowa



We Want to SELL YOU

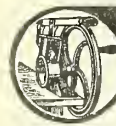
Some BABY CHICKS or EGGS FOR HATCHING from "Wyckoffs" celebrated strain of SINGLE COMB WHITE LEGHORNS. You cannot go wrong in buying this breed of chickens for egg production, as the Leghorn excels them all in this respect. Their large, white eggs, too, command a premium in the city markets, and right now, Nov. 10th, we are getting 55 cents per dozen for our eggs in New York, and this is only the regular market price for this quality eggs.

Last year, we sold 5000 baby chicks, shipped them to fourteen states, with remarkable success, and this year with our 1000 breeders our plant will have a capacity of 20,000 chicks. However, we ask that you advise us of your requirements as early as possible, so as to enable us to make preparations for you. We guarantee to deliver you a live chick for every one you buy.

Our price on chicks is \$12.00 per 100 for utility stock, discount on larger orders. Chicks from Exhibition matings, 25 cents each and up. Price on Eggs for Hatching—Utility, \$6.00 per 100, \$50.00 per 1,000, with a guarantee of 80 per cent fertility, and eggs to be delivered to customer in good shape. Eggs from exhibition matings, \$2.50 to \$10.00 per 15.

Give us a chance to please you. We can do it, and besides we will assist you in every way to raise a large percentage of your chicks. We have success with ours, and will gladly give our customers the benefit of our experience in handling them. At any rate, send for our free catalogue.

The Southwest Va. Poultry Farm
CHILHOW E, VA.



Crown Bone Cutter

Hens fed out green bone lay more eggs. Get a Crown Bone Cutter. Send today for catalogue. WILSON BROS., Box 816, Easton, Pa.

BEST MADE
Lowest
in Price

M. B. TURKEYS, BARRED ROCKS, WHITE ORPINGTONS, BUTTERCUPS

My Turkeys are of the Shofner strain and have proven their merits. My Rocks are of the E. B. Thompson strain—none better. I have Kellerstrass strain White Orpingtons. Cockerels for sale. No better Buttercups can be found anywhere. Stock for sale. Eggs in season. Write for prices, MISS NETTIE DAVIS, Loudon, Tenn.

GINSENG \$25,000.00 from one-half acre. Easily grown throughout U. S. and Canada. Our booklet No. 6 tells particulars. Send 4c for postage. McDOWELL GINSENG GARDEN, Joplin, Mo.

S. C. ORPINGTONS (Exclusively) Buff---White---Black

Foundation stock from Wm. Cook & Sons, imported and American bred, winning number first second and other prizes at Knoxville, Tenn.; Allentown, Pa.; Macon, Ga. (1911); Atlanta, Ga. (1910). Fine birds on sale, and eggs from prize winners, and from utility pens. Catalogue and prices on application. ORPINGTON PLACE, Mrs. E. K. Lumpkin, Prop., 973 Prince Ave., Athens, Ga.

Club. Mrs. Ligon's birds, it will be remembered captured first ribbon at the Tennessee State Fair at Nashville, where they attracted general admiration, and declared to be the strongest, most superb pen of Wyandottes ever bred in the South. Mrs. Ligon is a true fancier, and the honors she received were the reward of long years of work and the study of scientific matings. Her faith in the possibilities of scientific poultry culture in the South is great and she spared no pains or money in securing her foundation stock. The Club should be congratulated on her selection.

Mr. Chas. G. Pape, the Black Minorca breeder of Fort Wayne, Ind., made a record during the season of 1911 of which he may well feel proud. Mr. Pape made a tour of the South during the fall fair season, capturing a majority of the prizes wherever his birds were exhibited. A list of his winnings for 1911 follow:

Fort Wayne, Ind., September 12th to 16th—First cock, first and second hen, first cockerel, first and second pullet, first pen.

At Nashville, Tenn., State Fair, September 18th to 23rd.—First and second cock, first, second and fifth hen, first, second and fourth cockerel, first, second, third and fifth pullet, first and third pen, special for best display.

At the Tri-State Fair, Memphis, Tenn., September 25th to October 4.—First, and second cock, first, second and fifth hen, first, second, third and fourth cockerel, first, second, fourth and fifth pullet, first and second pen, gold band for best hen in show, bronze cup for the best Minorca pen, ver medal award by American Poultry Ass'n. for best cockerel in the Mediterranean class.

BUFF WYANDOTTES WHITE

Winners for 12 years at leading shows, including Chicago, Cincinnati, Louisville, Chattanooga, Birmingham, Appalachian Exposition and Insular Exposition, San Juan, Porto Rico. 600 selected breeders and exhibition birds for sale. Write your wants. If you want to win and breed winners we can help you.

SQUARE DEAL POULTRY FARM, Box 532-J Maysville, Ky.
POWER & CABLISH, Proprietors W. L. MANCHESTER, Supt.

PATTERSON FARM WHITE PLYMOUTH ROCKS AND S. C. BUFF ORPINGTONS

The fact that my birds have won over forty prizes including five cups and cash specials in three shows this fall, should determine the real quality of the Patterson Farm birds. Nothing but high class stock. Every bird sold shipped on approval. We still have for sale good breeding and exhibition birds and our prices are right. Would be glad to quote you our prices.

PATTERSON FARM, :::: Fitzgerald, Ga.

S. C. BUFF ORPINGTONS

If you are in need of a cockerel to mate on those good females of yours, then try one of my \$5.00 or \$10.00 cockerels. They will improve your flock and win at your show. Also a grand lot of pullets and yearling hens at \$3.00 to \$7.00 each.

HUGH S. THOMAS, Route 2, Georgetown, Ky.

RHODE ISLAND REDS —ROSE AND SINGLE COMB—

At the Great Appalachian Exposition Show, Knoxville, won first pen on both Rose and Single Combs, special for best pen from Georgia, all breeds competing, and special from Rhode Island Red Club for best pens, both combs. Also best sweepstakes pen at Tennessee State Fair, all breeds competing. A limited number of sittings will be sold from these two prize pens. If you want the best in Rhode Island Reds you had better let me book your order for a sitting.

BARRETT PHINIZY : : Athens, Georgia

White WYANDOTTES

Duston Strain

Winners at Henderson County Poultry Show, 1911: 1st cockerel and best display. A few cockerels for sale at \$5.00 each. Pullets \$3.00 each.

FELIX CREASY

Lexington, Tenn.

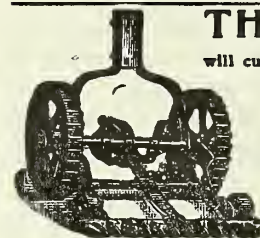
100 Orpingtons

FOR SALE

Show and utility stock. Eight years experience in the business. Why not write me before the big shows come on? BLACK and BUFF.

W. C. EVANS

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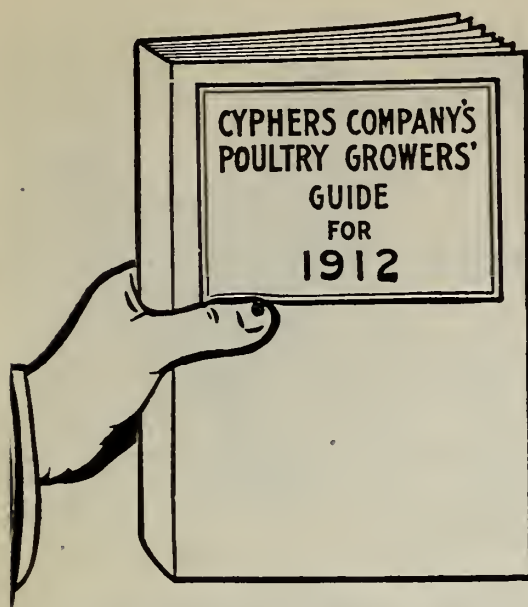
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will cut tall grass, short grass and weeds, and do all the trimming along the fences, walks and drives.

If your dealers do not keep them, let us know, and we will send circulars and prices.

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Have You Had Your Copy of Cyphers Co. Poultry Growers' Guide for 1912? It's FREE!

WE want every reader of this paper who is really *interested* in poultry raising *for profit* to have a free copy of the Cyphers Company's "Poultry Growers' Guide for 1912." The biggest, most *helpful* and complete we have ever issued. 244 pages, (7½x10 inches) profusely illustrated, and full to running over with sound, *practical*, money-making ideas that point the way to greater *success*. As examples of the truly helpful *character* of this book, here are the headings of eight free chapters that answer the questions most frequently asked by *thoughtful*, progressive poultry raisers. There is no computing the value of this new information—it is authoritative! Thousands of dollars have been spent in developing and *proving* the facts presented in these chapters:

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—and over 100 Standard articles for up-to-date poultry people.

It describes in detail Cyphers Company Service—a new development of the Cyphers Company's cardinal principle of being of *permanent help* to its customers. By means of personal letters, bulletins, leaflets, etc., etc., we *co-operate* with Cyphers owners—give them *reliable* help and advice, covering their everyday *practical* needs.

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White WYANDOTTES THE WINNING KIND

My birds won at Indianapolis and Toledo. Only the best in White Wyandottes win at these shows. Exhibition and breeding stock.

INDIAN RUNNERS

On account of a change in plans am forced to sell QUICKLY 45 of my pure English Indian Runners, 35 females and 10 males. Genuine Runners, laying a large, white egg. Will take \$50 for the lot, or \$1.25 each for as many as you want. They will go quickly at these prices. If you want any order at once.

GEO. BARKDOLL
WEST UNITY, OHIO Box 218

"Only" Rose Comb Rhode Island REDS

Won again at Great Hagerstown Show, Oct. 1910: 2d and 3d cock; 2d hen; 3d cockerel; 2d, 4th and 5th pullet, and 1st pen. This with my winnings heretofore certainly prove that I have Reds of great quality. Write your wants. M. C. RICHARDSON, JR., Member of Red Clubs, Front Royal, Va.

Bred **WHITE WYANDOTTES**
Eggs \$2 per 15; \$3.50 per 30; \$4.50 per 50; express prepaid. Circulars free. R. ADDISON, Box 1 Loughman, Florida.

A MEDICAL POULTRY BOOK FREE TO YOU.

Every person interested in poultry, as a breeder or in a commercial way, will find "Zenoleum Chicken Chat" a useful and reliable adviser. It gives full directions for the treatment of all diseases that affect poultry, and the prevention of contagious and infectious diseases in the poultry yard. It tells the most effective treatment to rid the flock of parasites, such as lice, mites and various germs, that cause roup, pip, tapeworm, canker, typhoid, blackhead, etc., that if allowed to spread in the flock will surely cut off all chances of profit, and disgust the owner with the business.

"Chicken Chat" is the production of the most competent authorities on diseases of fowl, and is printed and sent out free by the manufacturers of Zenoleum Disinfectant, Germicide and Lice Killer, which has the endorsement of FORTY-FIVE out of forty-eight State Agricultural Colleges and Experiment Stations.

"Chicken Chat" teaches the doctrines of cleanliness, disinfection and the prevention of disease, as the surest and safest method of making the industry profitable.

To the commercial poultry raiser, who must depend upon the incubator to hatch out his chicks, the report of the Ontario government poultry expert, obtained in a series of tests at the Ontario Agricultural College at Guelph, will be found of especial value. This test shows that the free use of Zenoleum in the incubator not only causes a large percentage of live chicks when hatched from the eggs in the incubator, but a greater percentage were alive at the end of four weeks than without the use of Zenoleum, or by hens under ordinary conditions. In other words, the chicks hatched out in the incubator treated with Zenoleum, had greater vitality and consequently were better able to stand the various ills, that cause the death of one-half the hatch of incubators operated in the industry, and the Canadian Government issued a bulletin on the subject, which will make the business more profitable and certain than ever. "Chicken Chat" is free to every reader of this paper. A cent spent for a postal card will return you a profit of many dollars. Address, Zenner Disinfectant Company, 201 Lafayette Avenue, Detroit, Michigan, before you forget it.

Eaton's Peerless Self Feeding Dry Food Hopper Rat Proof. Hangs up. Write us. YOUR DEALER OR R. D. EATON GRAIN & FEED CO.	TRY OUR METHOD FOR WINTER EGGS	Eaton's Perfection Mash Ration for Laying Fowls A WONDERFUL EGG PRODUCER Norwich, N. Y.
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The SOUTHERN PLANTER The South's Oldest, Largest and Best Farm Magazine

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S. C. BLACK ORPINGTONS

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H. B. HANNON,

Angola, Ind.

"Quality" Pekin Ducks

Won at St. Louis, Little Rock, Dallas, San Antonio, Breveport. Egg orders booked now for spring delivery. Don't wait. Pen A1—All prize winners, \$5 per 11. Other pens, all fine stock, \$2 per 11, or \$12 per 100. Booklet FREE.

R. B. WILKINS, Route 1, Opelousas, Louisiana

BUFF ROCKS and COCHINS

Prize winning stock. Also Utility Barred Rocks. A few cockerels for sale. Eggs in season. Prices quoted on application.

J. J. Thompson, Morristown, Tennessee

"HOOSIER" BARRED P. ROCKS

BIRDS OF PURITY

One of the Most Perfected Blood Line Strains in America.

BIRDS WITH A PEDIGREE

Whose ancestors we can boast as the leading winners at Indianapolis, Chicago and New York and down the line to the origin of all Plymouth Rocks.

BIRDS WITH A GUARANTEE

Every bird sold on approval. They must please you and be as represented. I guarantee winners conditionally and to but one customer for a show.

Space forbids mention of former winnings, but will give in brief one of the greatest winnings ever recorded—that of latest Ft. Wayne quality show. Besides 1st cock as Champion male, the \$15 specials each for best colored bird and best shaped bird, and display special, I won more points on hens, cock birds and breeding pens than all competitors combined and not a single bird bought. Not a single bird sold a customer last season was unplaced in competition, the majority winning all color and shape specials.

One testimonial by permission:—Cockerel arrived O. K. Won first, special as best colored Rock, and A. P. A. diploma. Judge Otto said he was the best bird he handled this year, and that our quality was better than at Detroit. Can assure you that you will lose nothing by sending such quality. N. O. GROVE, Sturgis, Mich.

A free range of 120 acres of land, naturally adapted to the rearing of young stock, affords me the richest plumage and most vigorous birds in the world. I have hundreds of selected birds and can supply breeding matings of any number, from utility birds to the best in the exhibition male and female lines. Have absolutely the best cockerels in the exhibition female line that I have ever seen, and will guarantee you better birds for the money than you can buy elsewhere. Remember your show dates and get your birds ordered and fitted in time.

For further particulars write me, carefully stating your wants.

PURL H. WEIKAL, Barred Rock Specialist, Box 77-11, MARION, IND.



"BLUE CHIEF, Jr."

Winner of the \$15 special, as best colored bird in latest Ft. Wayne show. Sired by the famous "Blue Chief," 1st cock and Champion male at same show.

\$100 in gold as a bona fide offer for any proof of retouching on any photo I cause published.



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A Poor Cut is Expensive at any price. Give us your order and accept NOTHING BUT THE BEST.

FOGG'S S. C. WHITE LEGHORNS WILL PLEASE YOU

Several thousand COCKS, HENS, COCKERELS and PULLETS now ready to fill your orders. They are the finest lot I ever raised. I GUARANTEE SATISFACTION. Write your wants.

N. V. FOGG - Box A - Mt. Sterling, Ky.

PAPE'S S. C. BLACK MINORCAS GREATEST OF ALL WINTER LAYERS

At the Nashville and Memphis 1911 Expositions, won all the first and second prizes, besides \$25.00 Bronze Cup for best pen, Gold Leg Band for best hen in the show, Gold Special for best display, A. P. A. Silver Medal for best cockerel in the Mediterranean Class and first prize and special in the Government Egg Exhibit. If the choice of the flock, at attractive prices, appeals to you, place your order now for utility and show birds. Special pen offers for beginners.

CHARLES G. PAPE,

BOX E-74,

FORT WAYNE, IND.



BARRED PLYMOUTH ROCKS (Exclusively)

Superb is the quality of our Barred Rocks. To prove our quality, notice our winnings for 1911. At the Kentucky Poultry Show, won 1st cock, 4th hen, also special; Lawrenceburg, Ky., Fair, 1st cock, 1st pullet and 2d cockerel. Kentucky State Fair won 1st hen, 1st pullet, 2d cock, 2d cockerel. At the Great Appalachian Exposition Poultry Show, Sept. 25th, won 1st cock; 1st, 2d and 3d hen; 1st, 3d and 4th pullet; 2d and 4th cockerel. If you want exhibition birds or good breeders, write us for prices. Our motto is to please.

BLYTHE BROS. : : R. F. D. 2, Box C, Frankfort, Ky.

POULTRY SHOW POSTPONED

At a recent meeting of the Executive Committee of the East Tennessee Poultry Association, held in Knoxville, Tenn., after hearing the report of the Hall Committee, it was found that no suitable building for the holding of the Annual Poultry Show was available and it was unanimously voted to postpone the East Tennessee Poultry Association Show, set for January 1912, until another season.

J. H. HENDERSON,
J. C. WHITE,
E. E. CARTER,
T. E. MCLAIN,
SAM M. COOPER,
Committee.

Brockport, N. Y., July 27, 1911.

Hancock Inoculum Co., Salem Va.
Gentlemen:—Enclosed find remittance for three bottles of your "OCULUM," \$1.00 size. This is my second order, and I tell you it is the greatest medicine that was ever put on the market. I have had at least 40 cures from one \$1.00 bottle, all one year old hens. Figure the hens at \$1.00 each, and you will see what your medicine saved for me.

Please send same at once, as I cannot keep poultry without it. Yours respectfully,

GEO. V. DOANE,
8 Adam St., Brockport, N. Y.

Christmas in de kitchen,
Christmas in de air,
Christmas in de dinin'-room,
Christmas everywhere.
Christmas in de grocery sto'.
Got aroun' at las';
Christmas in de pocketbook,
But goin' mighty fas'.
—Washington Star

Duck Department

By CLAYTON I. BALLARD, White Pine, Tenn.

Subscribers asking questions in this department should state very plainly all details in regard to what they feed, how much; age of ducks; how many they keep in a flock; size of run or yards; what kind of housing, if any; if they have access to green stuff, etc. Don't just write and say my ducks are ailing, what is the matter with them? What must I do for them? You wouldn't write a doctor or call over the 'phone and simply say I am sick; what is the matter with me? What must I do, or what medicine must I take? Remember, I must have the facts in detail.

Liver Complaint.

W. C., Columbia, S. C.—My chickens are dying from something like liver trouble. The place where I live is low and damp, very much so during the spring. I am going to sell what I have and restock. How long should I wait before restocking? I have been keeping Leghorns; would any other breed do better? Will this disease remain in the ground or house? If so, what can I do to prevent its reappearance?

Answer—The only thing to do is to thoroughly drain the ground before restocking. No breed of chickens will do well where they must live on low wet ground. It is quite likely the ground is infested with liver fluke, a minute worm (not visible to the naked eye), which inhabits such places. Unless the ground can be well drained and be made comparatively dry, chickens cannot be kept with any success. If I were compelled to keep poultry on wet or infected land, I would not keep chickens at all, but Indian Runner Ducks. These ducks lay more eggs than two or three hens. They are just as good to eat and require less shelter than chickens in winter, and none at all in summer, and less careful feeding than hens. They never have liver trouble, could, roup, lice, mites or other diseases common to chickens. I have found Indian Runners very hardy and altogether profitable. There is a good demand for Indian Runners for breeding purposes and for their eggs for hatching.

Too Much Fattening Food.

W. B., Mobile, Ala.—I have two sick ducks four months of age. They refuse to eat; stay by themselves, and seem afraid. One is down with stiff legs; can't hold up its head. I keep everything clean. Keep gravel, oyster shell and clean water before them at all times. I have a flock of 35 ducks in yard of ¼-acre, same size rye lot adjoining. I feed one gallon mash twice daily; one gallon corn at night. Do I feed too much.

Answer—You are feeding too much

INDIAN RUNNER DUCKS

Eggs, \$3.00 per setting. The best there is in the South. Layers in 18 weeks. The true fawn and white. None better.

J. G. DAVIDSON

:

334 Warren Ave.

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Thomasville, Ga.



Rhodes' White

Indian Runner Ducks

A large lot of fine breeders for sale. Originator of the Rhodes Strain. Fawn and White Runners; a fine lot of standard bred breeding and exhibition birds.

MRS. A. N. RHODES, New Castle, Ind.

Wingert's Indian Runner Ducks

TRUE FAWN AND WHITE STRAIN

Exhibition and Select Breeders a specialty. Eggs. Day-old Ducklings.

J. J. WINGERT,

Box W, Crawfordsville, Ind.

BUFF ORPINGTONS

I have birds that will please you. Summer price on eggs from all pens \$2 for 15. Stock for sale

WEST LAWN POULTRY YARDS

J. C. DENNIE

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51 Gilmore Ave., NASHVILLE, TENN.

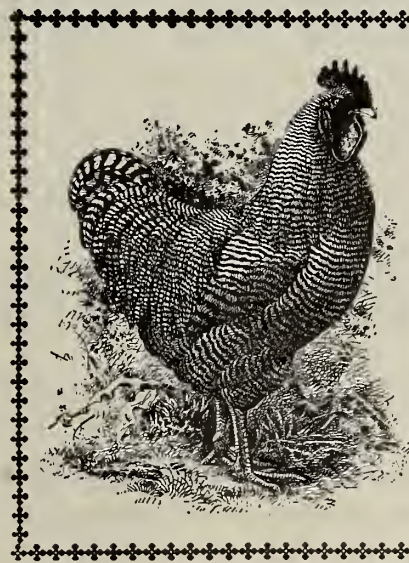
EVERYBODY KNOWS LANSDEN. HIS FAMOUS RHODE ISLAND REDS

Because they win in the hands of his customers. Trace the winners and they come from Lansden if the truth is known. Some buy from him and win, and call it "Tom, Dick or Harry's" strain, as the case may be. Ten cockerels to win in the best company, \$100.00 each; five cocks of same class, \$100.00 each. Anything you want in REDS. Eggs after Jan. 1st. Professional poultry judge. Twenty years experience in this chicken and chicken show business.

H. B. LANSDEN,

:

Manchester, Tennessee



ROYAL STRAIN

BARRED ROCKS

Have won for us in the past two years at the following shows and they will win for you. 2d cockerel, 2d and 3d hen, 4th pullet, 2d pen, Greenville. S. C., 1909; 4th cockerel, Spartanburg, S. C., 1909; 1st pullet, Charlotte, N. C., 1909; 3d cockerel, 1st hen, Atlanta, Ga., 1910; 1st cock, Augusta, Ga., 1910; 4th cock, 2d and 5th hen, Charlotte, N. C., 1910. EGGS—\$3.00 per setting of 15; two setting for \$5.00. Incubator eggs, \$1.50 per 15; \$8.50 per 100.

DES-RENA POULTRY YARDS

GREENVILLE, S. C.

White Indian Runners

I also breed fancy Fawn and White Runners, and S.C. White Leghorns. Eggs, \$2.00 per sitting. Satisfaction guaranteed

Have just won all firsts at Virginia and N. C. State Fairs. Other winnings at Indianapolis, Knoxville, etc. I believe I have the best White Runners going. Layers of large white eggs. Easily raised the year round in the South. Beautiful in shape—the coming duck. Order ahead or eggs; \$5 and \$10 per sitting of 12.

J. C. PATTON, Charlotte, N. C.

WE CHALLENGE

any person in the world to hatch one egg the Magic Egg Tester registered unhatchable before incubation. No light. No electricity. No expense and lasts a life-time. Demonstrated at Poultry Shows everywhere. Advertised in Poultry Journals for three years. Sold by dealers and agents in every country on the globe. 10 solid pages of testimonials. If you want to read them, write for them. This simple, but wonderful instrument, shows the best and strongest hatchable egg before incubation; also the probable sex. Selects the eggs which will absorb heat and moisture alike; reject the infertile ones, and show correct moisture throughout the hatch. \$2.00 each, by mail, on one year's trial. If not satisfied, money refunded. Specialists in incubation, the newest methods go with each Tester. In writing, mention this Journal. Magic Egg Tester Works, Brayton St., Buffalo, N. Y., also Bridgeburg, Canada.

FIFTY EARLY HATCHED

S. C. Buff Orpington Pullets

Running from utility to exhibition quality. Price \$2 each and up. Well bred, big boned, blocky birds.

GEO. M. WELLS & DAUGHTER

Quality, not Quantity PINE BLUFF, ARK.

BEDFORD'S ANCONAS

WORLD WINNERS

Our hens are noted for their great laying ability and for their show room quality, winning first at Madison Square, Cleveland, St. Louis, Kansas City, New York State Fair, etc. We have some young stock from the famous "Black Prince," winner of first at Madison Square and Kansas City, for sale. Write your wants,

H. M. BEDFORD, : : Box 870, Strongsville, Ohio

BRINNON-BLAIR'S BUFF ROCKS WIN AGAIN

First pen at Missouri State Fair. 1st and 5th hen; 5th cock; 2d, 3d and 5th pen at the American Royal Stock Show. 100 cockerels for sale at prices that are cheaper than they will be later in the season. Write us your needs as we can help you improve your flock.

Lakeside Poultry Farm, Max D. Brinnon & Son, Box B, R.F.D. 20, Windsor, Mo.

ORPINGTONS---Buff, Black and White

Winners wherever shown. At the Appalachian Exposition, Knoxville, 1911, I won on Blacks, 1st on cock, 2d on hen, 2d pullet, 2d cockerel and 2d pen. Third pen on Buffs. Eighteen firsts at three other shows this Fall. For prices on stock and eggs write us. We guarantee satisfaction.

MILLETT'S ORPINGTON FARM, Johnson City, Tenn.

FOR SALE: ONE HANDSOME BLACK AND WHITE POINTER

2½ years old, thoroughly broken, a high-class field dog, fine pedigree, out of ch. Ripstone's Jingo and Lady Keats. Also two 8-months' old puppies, one liver and white and one lemon and white, both fine pedigrees. Just the thing for this Fall's shooting. Address for particulars.

NEW KATHRYN KENNELS, 809 West Broad St., Columbus, Ohio

BRED-TO-LAY

S.C. WHITE LEGHORNS

D. W. YOUNG STRAIN

500 vigorous and healthy early hatched cockerels and pullets for sale. We guarantee satisfaction or your money back. Write your wants.

BECKHAM POULTRY FARM, : J. I. MOORE, Proprietor, : Beckham, Virginia
Member National S. C. White Leghorn Club.

fattening food and not enough meat food. Feed as follows: One-third each of wheat bran, wheat middlings and corn meal; feed this three times daily as a damp mash, and add to this 10 per cent of a good grade of beef scraps. Leave out the whole corn entirely. Ducks grow so fast that they must have meat food in some form to grow bone and muscle; corn only produces fat, and should be fed sparingly to growing stock of any kind.

Don't Half Feed and Then "Cuss."

Don't purchase a pen of Indian Runners, turn them out and let them go with half feed and then "cuss" the man you purchased from and say he is a fraud and that Indian Runners in general are no good. The government average for a hen is 69 eggs in one year, but don't you believe with proper feed and care you could get one to do better than that? What kind of success would you have to put a hog in a pen and give him one ear of corn and a little greasy dish-water three times daily? He wouldn't put on much fat, would he? To get eggs it takes a variety of feed and then some, as well as good care.

Ducks never have liver trouble, but should not be housed in winter too closely, as close housing where they cannot get a supply of fresh air will sometimes affect their lungs. Rather let them set out in the snow and ice than house them in a tight house not properly ventilated.

How long does it require to incubate duck eggs?

Answer—Indian Runners, 26 days; Pekin, 28 days; Muscovy, 32 days.

Do Indian Runners set well on eggs?

Answer—They are considered non-setters, but will sometimes set, but are unreliable. An incubator is better, a good hen still better. No incubator will hatch duck eggs as well as a hen.

How many duck eggs should be placed under a hen?

Answer—From nine to eleven, depending on the size of the hen.

Will rain injure young ducklings?

Answer—Yes; they are as susceptible to rain as chicks up to four weeks of age. After that time they enjoy a rain storm.

Will White Runners lay as many eggs as the fawn and white?

Answer—They claim for them to lay from 250 to 275 eggs each in one year with proper care. If you should turn them out and not properly feed and care for them, they would likely not lay any at all. Remember, Indian Runners will not lay on a wind and water diet. The White Runners all breed pure white, not creamy white, like the Pekin or other white ducks. The White Runners were bred from white "sports" of the fawn and white Indian Runners.

S. C. BUFF LEGHORNS

Eggs, layers, breeders, winners

P. M. BROWN : : Paducah, Ky.

INCUBATION AND INCUBATORS

Continued from page 220

fowl of fifty or more years ago. Artificial incubation, or hatching by machinery, is known to be an old idea, and yet very little information upon original processes is to be found in our libraries. Eggs were hatched by artificial means centuries ago. Machines were invented and used successfully for this purpose by the Egyptians long before the Christian era. Some of these hatching ovens have been found by explorers. Some of them depended upon the customary fuel for their supply of heat, while others relied upon stones heated in the sun, and some, even, were found that obtained the necessary heat from lamps. Besides the above sources of incubation heat, mention can be made of decomposing animal and vegetable matter used long ago with unknown success. Not many winters ago the writer had the pleasure of forking out a live and healthy chicken from a heap of compost near the door of his stable. Numerous other instances of accidental incubation have been related, and man's ingenuity has been exercised to devise machines and methods that will insure the transition of the dormant egg into the living chick.

The whole theory of incubation is based upon the fact that, if a fertile egg is kept for a sufficient period of time under certain conditions of heat, moisture and position, it will be transformed into a healthy fowl.

The period of incubation varies with different species of fowls. The average period of natural incubation is a little over twenty, or about twenty-one days, for the egg of the common hen. This period may be somewhat shortened or prolonged by variations in the conduct of the mother hen, and possibly by changes in the weather. Should the weather be moderate and the hen quiet and faithful, we need not be surprised if the eggs are all hatched by the close of the twentieth or even the nineteenth day. Again, if the weather be extreme or the hen restless and neglectful, we need not look for all the eggs to hatch until the close of the twenty-first or the beginning of the twenty-second day. The same applies to eggs from other fowls, except, of course, that each has its own period of incubation, subject to the variations mentioned. The following table is accepted by most poultry men and writers upon natural history and is approximately correct:

Period of Incubation.

Name of fowl.	Days
Common hen.....	21
Pheasant.....	25
Duck, common.....	28
Peafowl.....	28
Guinea.....	25
Goose.....	30
Partridge.....	24
Duck, Barbary.....	30
Turkey.....	28

In spite of all notions to the contrary, the process of hatching can be suspended and held in check for several days without total destruction of the germ. This fact is of practical importance and, if remembered, may

Poultry Profits Doubled

CAPONS bring the largest profits—100% more than other poultry. Caponizing is easy and soon learned. Capons sell for 30c. a pound, while ordinary poultry brings only 15c. a pound. Progressive poultrymen know these things and use

PILLING CAPONIZING SETS

Sent postpaid, \$2.50 per set with "Easy-to-use" instructions.

We also make Poultry Marker, 25c. Gape Worm Extractor, 25c. French Killing Knife, 50c. Booklet, "Guide for Caponizing," FREE. G. P. PILLING & SON CO., 23d & Arch Sts., Philadelphia, Pa.



Eady's S. C. Rhode Island Reds

Winners at Ala. State Fair Birmingham, Mobile, Gadsden, Ala., Houston, Texas; Tullahoma, Tenn.; and Meridian Miss. Stock and Eggs for sale. Eggs from \$1.00 to \$3.00 per setting of 15

We are breeders of fine Pedigree Rough Coated Scotch Collie Dogs. Old and matured stock for sale all seasons of the year. Black and White or Sable. Write your wants, prices reasonable. Pedigree furnished with every dog.

G. W. EADY, Guntersville, Alabama

WHITE WYANDOTTES

S. C. Black Minorcas COCKERELS and PULLETS

Bred from prize winners and good layers. Special low prices on Minorca cockerels for October buyers. Sire of cockerels, 1st prize winner at the Tennessee State Fair, 1910

J. B. SANDER, Route 6, Box 47, Paducah, Ky.

Cooper's R. I. REDS

SINGLE COMB

Are always there with the Goods—Eggs or ribbons.

SAM M. COOPER : Fountain City, Tenn.

MAPLETON STRAIN OF GOLDEN WYANDOTTES

continue to win the "Lion's share" of ribbons everywhere shown. When you buy always get the best. For sale by G. A. HARRISON, Prop.

MAPLETON POULTRY YARDS Station B, Nashville, Tennessee

Nothing can take the place of **Lee's Egg Maker** as a successful winter food for hens. The laying depends largely on the food. Protein—digestible protein—is essential. All meat food contains an abundance of protein, but usually only a small percentage can be digested. Lee's Egg Maker is clean, sweet and wholesome, and contains more protein in digestible form than any other kind of meat food. That's why we guarantee it to replace all other forms of meat as a hen food, at less feeding cost and with better results.

Prices 25c to \$7.00, according to size.

GERMOZONE

is doing more, every day, to make better and healthier poultry, better and stronger breeding stock, than all other poultry medicines combined. Roup, Colds, Chicken Pox, and other chicken ailments yield readily to this famous medicine. Besides, its regular use twice-a-week destroys disease germs, tones the system, keeps the bowels regular. Poultry diseases have no terrors for those who use Germozone regularly.

Either tablet or liquid. Price 50 cents. Lee's goods are on sale in almost every town, but if yours is an exception send your order direct to us and ask for our free offer.

GEO. H. LEE COMPANY
1113 Harney St., Omaha, Neb.

Send for your free copy of Lee's New Poultry Book. Interesting; instructive. The "best yet."

Southern Beauty Strain of S. C. BROWN LEGHORNS

BRED TO WIN AND TO LAY

Won at Tenn. State Fair, 1911—1st and 2d cock, 1st hen, 1st pen. At Appalachian Exposition, Knoxville, Tenn., 1911—Won 1st cock and 1st cockerel in r.d. hot competition. Was the only exhibitor of Browns that won two blues. Best flock of Brown Leghorns in the South. Lots of young stock for sale—30 exhibition cockerels, ready for the midwinter show. Write for prices. Glad to answer questions.

—ADDRESS—

J. W. LEEMAN
Henderson's X Roads, Tennessee

REST AND HEALTH TO MOTHER AND CHILD.

MRS. WINSLOW'S SOOTHING SYRUP has been used for over SIXTY YEARS by MILLIONS of MOTHERS for their CHILDREN WHILE TEETHING, with PERFECT SUCCESS. It SOOTHES the CHILD, SOFTENS the GUMS, ALLAYS all PAIN; CURES WIND COLIC, and is the best remedy for DIARRHŒA. It is absolutely harmless. Be sure and ask for "Mrs. Winslow's Soothing Syrup," and take no other kind. Twenty-five cents a bottle.



More Eggs Guaranteed

Pratts Poultry Regulator keeps hens at their highest earning capacity the year round, and by its use the many troubles which arrive with the cold weather are readily overcome.

Pratts Poultry Regulator

will let you in on the big profits. When other hens are loafing, those that get Pratts will be money-makers.

Satisfaction Guaranteed or Money Back

Our dealers will refund purchase price in case of dissatisfaction. You will find that market poultry will be heavier and bring best prices when fattened with the help of Pratts Poultry Regulator. It keeps them healthy by regulating the digestive organs, bowels and blood.

25 lb. pails \$2.50. Also in smaller packages and 100 lb. bags. If your dealer cannot supply you, write us.

Pratts Powdered Lice Killer kills all the lice and **Pratts Cholera Remedy** in 25c. and 50c. packages will prevent and cure this dread disease.

Our 1911 edition Poultry Book mailed free.

PRATT FOOD CO., Dept., 17 Philadelphia, Pa.
Pratts Animal Regulator will make your horses, cows, calves, hogs and sheep more valuable.

save the breeder a good hatch when, because of some accident or oversight, a lot of eggs has been left without outside heat and allowed to cool. Such eggs, if placed at a proper temperature, may hatch fairly well, provided this temperature is maintained a few days longer than the usual period of incubation. The writer has known hatching to be delayed to the twenty-second and, in one instance, until the twenty-fourth day by accidents to his incubators. Hence, where accidents of this kind occur it is wise to keep the eggs warm a day or two overtime, with the expectation that, while incubation may be delayed, the germ is still alive and will develop. This brings to mind one of the greatest advantages of the incubator to the farmer or the farmer's wife—to people who are accustomed to rely upon mother hen and prefer to raise chickens by natural incubation. Many times the hen will get sick, will die, or without any apparent excuse will leave the nest, and unless another hen is ready to take her place the eggs will spoil. A small incubator in the house will be found useful upon such occasions. The eggs can be removed from the nest and placed in the warm incubator and hatched or kept there until another hen is ready to take up the work. For this purpose alone an incubator is worth its price to any farmer who raises poultry. Many times has the writer saved valuable clutches of eggs by the use of these machines when it was found some perverse hen had deliberately abandoned her nest.—Farmers Bulletin No. 236, U. S. Department of Agriculture.

(To be continued next month.)

Allison's S. C. WHITE LEGHORNS

I now have my pens mated up and am prepared to furnish eggs from my prize-winning and bred-to-lay stock. I am selling eggs at \$2.50 per setting from a pen in which every bird is a prize winner. Others as cheap as \$1.00 per setting. My birds have won at Louisville, Kentucky State Fair and Chicago. Incubator eggs, \$6 and \$10 per 100. I guarantee satisfaction. Write me. THOS. S. ALLISON, 28th and Steven Streets, LOUISVILLE, KY.

White ORPINGTONS Buff OF QUALITY

Many high-class breeders now for sale at BARGAIN PRICES to make room for the grandest lot of youngsters I ever raised.

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JEWELERS
EST. 1868

HOPE BROS.

519 Gay Street
KNOXVILLE, TENN.

GROWTH OF POULTRY INDUSTRY IN THE SOUTHEAST

Continued from page 221

a genuine, warm, cordial invitation to hold its annual meeting in the south in 1912. The past meetings have been held in the north and east, and this, the most successful of them all, in the beautiful city of Denver, where we have been so royally entertained, that we deem it eminently fitting that the south be given an opportunity to show what she can do and how much she loves the members of this, the greatest live stock organization in the world. Gentlemen, we bid you come; and next year when the election ballots are received, remember that the south appreciates the fact that three of your present officers are from that favored section, and that now in order to fulfill our desires that the year of 1912 may be the most prosperous in the history of the American Poultry Association, allow us at the next annual meeting to crown our efforts with a record that will make that of 1911 rank as second place. (Applause.)



The FAVORITE BAND
THE BEST IN THE WORLD
12 for 15c, 25 for 25c, 50 for 40c,
100 for 65c.

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30 Columbia Bld. COLUMBUS, OHIO

S. C. BUFF ORPINGTONS

FOR SALE. Fine lot of early hatched cockerels and pullets. Eggs in season. My foundation stock is from some of the best breeders in America.

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CLASSIFIED ADVERTISING RATE, 2 cents per word, flat, subject to a discount of 10 per cent on yearly contracts amounting to \$6.00 or more. Ads in this department must be paid for in advance.

ANCONAS

SHEPPARD'S FAMOUS ANCONAS.—The world's best. Single or Rose Comb. First at world's greatest shows. Greatest egg record—256 average. Catalogue free. Cecil Sheppard, Box F, Berea, Ohio. 93

ANCONAS, Rose and Single Comb. Marvelous egg producers. Exhibition birds. I won every first and second at Chicago, 1909. Supplied winners in nearly every big show in America last year. I can do it for you. I prepare and condition birds for show on orders booked in advance. Get my circulars. Dr. Guy Blencoe, Vice President International Ancona Club, Alma Center, Wis. 95

ANDALUSIANS.

BLUE ANDALUSIANS, America's best. Unexcelled winter layers. Prize winners at Jamestown, Hagerstown, New York, Allentown, Baltimore, Richmond and Washington. Stock and eggs. Cockerels \$2.50 and up. V. H. Councill, Specialist, Warrenton, Va. 96

BLUE ANDALUSIANS, White Faced Black Spanish, Silver Spangled Hamburgs and Indian Runner Ducks. Finest strains. First prize winners at the Tennessee State Fair and Appalachian Exposition, 1910. Eggs at \$1.50 per 15. H. R. Birchett, Lebanon, Tenn. 91

BLUE ANDALUSIAN and White Face Black Spanish. Tennessee State Fair winners, 1908. Eggs, 15 for \$1.65; 30 eggs for \$3.00. A. N. Brown, Woodbury, Tenn. 91

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HIGH-CLASS ROSE COMB WHITE and Rose Comb Black Bantams. Red Pyle and Black Breasted Red Game Bantams, also Golden Sebrights. Cary's Bantam Yards, Trimble, Ohio. 93

BANTAMS—Rare bargains in Golden and Silver Seabright, Buff, Black and White Cochins, Rose Comb Black and Black Breasted Red Game Bantams. Highest honors at Madison Square and other leading shows. Buy your exhibition birds of us and win. Procure a male of our strain and improve your flock. Proper & Sons, Schoharie, N. Y. 91

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FOR SALE. Extra fine Buttercup cockerels. Buttercup Poultry Farm, Bedford City, Va. 90

SICILIAN BUTTERCUPS. Finely marked young stock for sale at reasonable prices. Also some extra fine yearling breeders. Send for circular. Buttercup Poultry Yards, Salem, New York. 91

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BUFF COCHINS. Winners and carefully bred for thirteen years. Old and young stock for sale. Eggs in season. Testimonials free. S. Berger, Pleasant Hill, Ohio 92

DUCKS and GEESE

INDIAN RUNNER DUCKS—Reduced prices. Miss Zora Lane, Lebanon, Ind. 91

INDIAN RUNNERS, (English strain.) Eggs at all times, two dollars per dozen. Also young stock in English and standard exhibition strain for sale. Fred M. Preston, Pine Castle, Fla. 96

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PEKIN DUCKS and TOULOUSE GEESE. The best in the South. Winners at Madison Square, Philadelphia, Washington, etc. Circular on request. Also White Wyandottes. W. W. Thomas, Catlett, Va. 95

INDIAN RUNNERS—Exhibition and utility stock. English imported. Pure white eggs. Lay each day except at moulting. \$1.00, \$2.00, \$3.00 and \$5.00 per dozen. A. P. Burk, Camp Chase, Ohio. 91

WHITE INDIAN RUNNERS.—Flock headed by 1st prize breeding pen, State Fair, California, 1911. These ducks are from the original Spencer flock—the best in America. Eggs \$5.00 to \$10.00 for 12. One pen Buff Orpington ducks to spare. R. J. Latta, Yorkville, S. C. 91

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FAWN AND WHITE EGGS, 15 for \$1.00. Proven layers and breeders in year old ducks \$2.00 each. Eggs from White Runners \$3.00 per 11. No White stock for sale. Munnimaker Poultry Farm, Normandy, Tenn. 91

MAMMOTH PEKINS-EGGS from special prize yard \$2.00 per 12. Other yards containing prize winners, 12, \$1.00. True fawn and white Indian Runner eggs, 12, \$1.00. Q. F. & J. E. Montgomery, Nashport, Ohio. 95

GUINEA PIGS

ENGLISH GUINEA PIGS, \$2.00 per pair. Mrs. M. W. Baker, Watertown, Tenn. 91

HAMBURGS

HAMBURGS. Book orders now for Silver Spangled Hamburg eggs from my winners at the leading shows, including first cock at Madison Square. James LeSueur, Route 10, Nashville, Tenn. 92

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SINGLE COMB WHITE LEGHORNS. Eggs, \$1.00 for 15. Special matings, eggs, \$2.00 for 15. White Holland Turkeys. Eggs, \$3.00 for 10. The Parham Poultry Farm, Roxton, (Lamar Co.,) Tex. 96

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MINORCAS

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SINGLE COMB BLACK MINORCA Cockerels for sale at \$2.00 each. Address Luther Coke, Guthrie, Ky. 92

NORTHUP MINORCAS—World's best strain. Eggs for hatching, one-half price after June 1st. Eturnoma Farms, Ray C. Brown, mgr., Poultney, Vt. 91

ORPINGTONS

S. C. BUFF ORPINGTONS. Few fine cockerels for sale. Write me. Model Poultry Farm, Gurley, Ala. 91

SINGLE COMB WHITE ORPINGTONS. Best blood in America; winners wherever shown—out of 28 entries at our leading fairs this fall, we won 11 firsts, 6 seconds, 5 thirds. At North Carolina State Fair in October, in a class of 111 White Orpingtons, we won 2 of the 4 first offered. Eggs \$3.00 per thirteen. Orders booked now, for shipment after Jan. 1st. Few choice birds for sale. Lowe's White Orpington Farm, Burlington, N. C. 91

S. C. WHITE ORPINGTONS, Kellerstrass Strain. Will dispose of a few settings at \$3.00 per 15. All accepted orders filled in rotation. C. M. Milburn, St. Augustine, Fla. 92

KELLERSTRASS CRYSTAL White Orpington eggs, from grand-children of "Peggy," 15 cents each. They hatch. Not too late to set. Baby chix, 30 cents each. Munnimaker Poultry Farm, Normandy, Tenn. 91

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THOMPSON'S "RINGLET" BARRED ROCKS. Choice lot pure bred birds for breeding—young and old. Eggs for hatching in season. Prices lowest considering quality offered. Stacy's Stock Farm, Amelia, Va. 96

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RARE BARGAINS—White Wyandottes and Rhode Island Red cockerels at \$1.50 to \$5.00. Eggs from \$1.50 to \$3.00. Mrs. C. M. Cheney, Shellman, Ga. 92

PRIZE WINNERS. Rose Comb Brown Leghorns, Polish Wyandottes, Orpingtons, Minorcas, Brahmas, Rose Comb Black Cochins, Sebright and Brahma Bantams. Stock and eggs for sale. C. W. Myers, Spring Grove, Pa. 96

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MAMMOTH BRONZE TURKEYS for sale. Mrs. M. A. Walton, Route 1, White House, Tenn. 94

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Kellerstrass strain. Pullets, \$3 to \$5; cockerels, \$5 to \$10. **Buff Orpingtons**: Stock raised from eggs direct from Byers' Chicago 1st prize pen. **Barred Rocks**: Thompson's "Ringlets." Some fine pullets, light, fine snappy barring for which this strain is famous. Will grace any show room. Few cockerels. Price: Pullets, \$2.50; fine trio, \$15; cockerels, \$5 to \$10. Have also fine S. C. R. I. Reds, \$1.50 to \$5.00.

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White Plymouth Rock Cockerels

Three (\$3.00), Five (\$5.00) and Ten (\$10.00) Dollars each.

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Layers—hence payers. Fine young birds and eggs for sale. Also utility stock. Write

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Mention Industrious Hen.

White, Black, Buff

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Will have lots of stock for sale from my exhibition pens for Fall shows. Eggs from best pens, \$1.00 per 15 balance of season.

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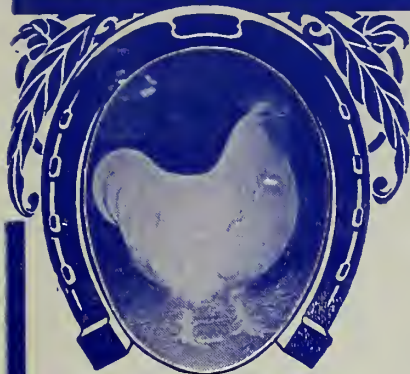
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SUPERB TYPE, SUPERIOR QUALITY

To be found in my Yards can be seen in this Cut



MY BIRDS are absolutely white of that deep bodied type, low down on legs, up to weight, and I know my matings will please you. My winnings of first and fifth cock, first and fourth hen, fourth pullet and sixth pen at Madison Square Garden, Dec. 27th to 31st, in the hottest class ever brought together in America, placed my birds in the lead over all competitors. At Kansas City, Nov. 29th to Dec. 3d, the largest and best class ever held in the West, my birds won first and fourth cock, first hen, first and third cock'l, third pullet and second pen.



GREAT STAMINA AND VICOR

are to be found in my birds, not usually found in White Orpingtons. I attribute this to strong foundation breeding stock, our pure air and Blue Grass range.

100 Acres in Russell Cave Poultry Yards, and over 7,000 Acres in Elmendorf Farm.
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hatched April first or later, \$1.00 each; catalogue price, \$1.25. They will be worth \$3.00 to \$5.00 in the Fall. Here is your chance to get the world's most famous layers and some show birds at small cost. Grand yearling hens, cocks and cockerels now for sale. Stamp for Fall Circular. Coupon withdrawn.

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Another advantage of the White Wyandottes over other breeds is the close-fitting comb. A frosted comb means to check egg production at once with all single comb varieties.

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Barred Rocks, S. C. R. I. Reds, White Leghorns, Muscovy and Indian Runner Ducks, Imp. Show Homers and California Runt Pigeons, and Jersey Cattle of the fanciest breeding. We have the goods already acclimated and will give you full value for your money. Can furnish eggs any day in thousand lots. We have the laying kinds. Can furnish prize winners for the hottest show and utility stock that will make money. *Bred for health, bred for strength, bred for beauty, bred for utility*, insuring satisfaction to the poultryman for profit and the fancier for pleasure. A CORDIAL INVITATION is extended to all visitors to personally inspect The Largest and Most Extensive Poultry Plant in the South, a practical and most valuable object lesson and demonstration to the beginner and a revelation to the established breeder. Take Marietta suburban trolley cars at Walton Street side of New Postoffice, or write and LET US KNOW YOUR WANTS.

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MORE in the STRAIN Than in the BREED

BALLARD'S STRAIN INDIAN RUNNER DUCKS. First prize winners at the Appalachian Exposition two years in succession. In 1910, all firsts except one. This year won 1st, 2d and 3d old drake; 1st and 2d duck; 1st, 2d and 4th young drake; 1st, 3d, 4th and 5th young duck; 94 ducks competing, including Tennessee State Fair first prize winners. Pen average, 225 eggs each duck in one year. Some extra fine exhibition stock for sale. You can't win without them. Sold the Hon. Wm. J. Bryan trio at the Exposition, pronounced by him the best he ever saw.

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